

# 2008/09 華輝產品目錄 Product Catalogue

電子零件、儀錶、工具



CCTV / DVR System  
CATV / Digital Broadcasting  
PA / Intercom System  
Access Control / Alarm  
Batteries / Power  
Cable / Network Accessories  
Tests & Measurement  
Connectors & Accessories



代理各國名廠品牌，誠徵分銷合作伙伴  
Seeking For Business Partners

**Aceco**

**ARELA AV**

**AMP**

**Amphenol**

**AV**

**BLACK & DECKER**

**brunswick**

**EAIR**

**FLUKE**

**GENCO**

**GOLDTOOL**

**HI-LO**

**JEC**

**JR**

**Kinsten**

**KYORITSU**

**Leica**

**LIT Lutron**

**Manson**

**MW**

**MIZU**

**MULTI**

**NEUTRIK**

**NT**

**RITEC**

**sanwa**

**Tektronix**

**Tempo**

**testo**

**tyco Electronics**

**TYSSO**

**UNI-T**

**WEBBER**

## 目錄 Index

Brand	Category	Page	Brand	Category	Page
Fluke	Test & Measurement (Master brochure)	1 - 25	Brennenstuhl	Standalone Smoke Detector	79
Uni-T	Test & Measurement (DMM & Scopemeter)	26-34	TYSSO	Barcode reader	80-82
Uni-T	Test & Measurement (Accessories)	35-38	Webber	Server Cabinet	83-90
MULTI	Test & Measurement (Electrical tester)	39-42	Genesys	Server Rack Case 19"	91
Lutron	Test & Measurement (DMM & HVAC)	43-48	Ritec	Plastic Equipment Case	92
Testo	Test & Measurement (HVAC)	49	Fein	Precision outfitting tool	93-107
Tektronix	Test & Measurement (Oscilloscope)	50	Black & Decker	Drill & Heat Gun	108
Sanwa	Test & Measurement (DMM)	51	Welcom	UL Cable & Wire Wrap	109
Kyoritsu	Test & Measurement (Electrical tester)	51	Carry On	Power Cable Assemble	109
Topward	Test & Measurement	52	Yunpen	EMI Filter	110
Gwinstek	Test & Measurement	53	JEC	AC power plug/socket	111
Texio	Test & Measurement	54	Kinsten	Photo-resist Board & Bread Board	112-113
	Test & Measurement (Network)	55-56	AMP	Hand Tools (Electrical & Communications)	114
MEET	Test & Measurement (Electrical)	57	HT	Hand Tools (Electrical & Communications)	115-116
Brymen	Test & Measurement (DMM)	58	LanteScale	Counting Scale	117
Tempo	Voice, data & video instrument	58	Yamada	Counting Scale	117
Aceco	Frequency Counter	58	Taiwan Made	AV/RF Connector	118-120
Leap	Flash Memory Programmer & Tester	59	Taiwan Made	AV/RF Connector & Conversion Adaptor	121-123
HiLo	Flash Memory Programmer & Tester	60	NT	Audio Connector	124-125
Leica	Laser Distance Meter	61	Neutrik	Audio Connector	126
Black & Decker	Laser Distance Meter	61	AMPHENOL	Audio Connector	126
Meanwell	Switching Power Supply	62-64	Canare	AV/RF plug & specific tools	127-128
Manson	Power Supply (Bench)	65-71	Mizu	Cable Management	129
Manson	Lead-Acid Battery Charger	72	Kimberly-Clark	Wiper & Safety Glasses	130-133
Brennenstuhl	Power Distribution Unit	73-78			



## 全新系列 Fluke 287 及 289

真有效值 True RMS  
"趨勢捕獲" 繪圖功能  
TrendCapture

新增功能:

- 特大圖像顯示屏
- 數據記錄及實時瞬變分析
- 電腦USB連接



### Fluke 289

- 資料記錄存儲及圖形繪製功能
- 真有效值精準測量
- 1/4 VGA寬廣顯示幕
- 50,000位數
- 白色背光照明
- 用家無需將讀數記錄下載到電腦上來查看趨勢, 省下不少時間及工序
- 配備低通濾波器, 有利於對調速馬達驅動器與電機訊設備, 進行高精度電壓與頻率檢測
- LoZ功能: 有助消除殘留感應電壓, 有效減低產生錯數



### Fluke 287

- 資料記錄存儲及圖形繪製功能
- 真有效值精準測量
- 1/4 VGA寬廣顯示幕
- 50,000位數
- 白色背光照明
- 用家無需將讀數記錄下載到電腦上來查看趨勢, 省下不少時間及工序

☎ 銷售熱線 : 3182 0888

全線Fluke 專業產品可供選擇 : • 電流鉗表 • 絕緣高阻計 • 現場程控校正器 • 網路測試儀器 • 電量校正器 • 熱像分析儀 •



**FLUKE®**

# Test Tools Catalog

Volume 39, 2008



Keeping your world  
up and running.





# Pick the right digital multimeter for you

FLUKE®

## Digital Multimeter Selection Guide

Product Code

W 59-07-0289

W 59-07-0875

W 59-07-0179









W 59-07-0117

W 59-07-0116

W 59-07-0027

W 59-07-1587

W 59-07-0789

								
Models	Highest accuracy with data logging 289	Industrial troubleshooting 87V	True-rms and built-in thermometer 179	Designed for building maintenance 117	Designed for HVAC/R technicians 116	Waterproof and chemical resistant 27	Two powerful tools in one 1587	4-20 mA loop diagnostics 789
<b>Basic features</b>								
True-rms readings	AC+DC	AC	AC	AC	AC		AC	AC
Basic dc accuracy	0.025 %	0.05 %	0.09 %	0.5 %	0.5 %	0.1 %	0.09 %	0.1 %
Wide bandwidth	100 kHz	20 kHz				30 kHz		
Auto/manual ranging	•	•	•	•	•	•	•	•
Digits	4-1/2	4-1/2	3-1/2	3-1/2	3-1/2	3-1/2		3-1/2
Counts	50000	20000	6000	6000	6000	3200	6000	4000
<b>Measurements</b>								
Voltage ac/dc	1000 V	1000 V	1000 V	600 V	600 V	1000 V	1000 V	1000 V
Current ac/dc	10 A	10 A	10 A	10 A	600 µA	10 A	400 mA	1 A
Resistance	500 MΩ	50 MΩ	50 MΩ	40 MΩ	40 MΩ	32 MΩ	50 MΩ	40 MΩ
Frequency	1 MHz	200 kHz	100 kHz	50 kHz	50 kHz		100 kHz	20 kHz
Capacitance	100 mF	10 mF	10 mF	10 mF	10 mF		10 mF	
Temperature	+1350 °C	+1090 °C	+400 °C		+400 °C		+500 °C	
dB	60 dB							
Conductance	50 nS	50 nS				32 nS		
Duty cycle/pulse width	•	•						
Motor drive measurements/low pass filter	•	•					•	
Continuity with beeper/diode test	•	•	•	•	•	•	•	•
Low ohms (50 Ω)	•							
<b>Display</b>								
Dual display	•							•
Analog bargraph	•	•	•	•	•	•		•
Backlight	•	•	•	•	•		•	•
<b>Data storage and exchange</b>								
Min/Max recording		•	•	•	•	•	•	•
Min/Max recording/with time stamp	•						•	
Fast Min/Max	250 µs	250 µs						
Display Hold/Auto (Touch) Hold	•	•	•	•	•	•		•
Relative reference	•	•				•		•
PC interface	•							•
Data logging	•							with PC
Readings memories	10,000							
<b>Other features</b>								
Automatic selection, LoZ				•	•			
LoZ	•							
Insulation test range							0.01 MΩ to 2 GΩ	
VoltAlert, non-contact ac voltage detector				•				
Real-time clock	•							
Overmolded case, integrated holster	•		•					•
Removable holster		•		•	•		•	
ToolPak magnetic hanger compatibility	•	•	•	•	•			•
Closed case calibration	•	•	•	•	•		•	•
Separate battery door	•	•	•	•	•	•	•	•
Completely sealed/watertight						•		
Automatic power off	•	•	•	•	•		•	•
Low battery indication	•	•	•	•	•	•	•	•
Operating temperature ranges	-20 °C, +55 °C	-20 °C, +55 °C	-10 °C, +50 °C	-10 °C, +50 °C	-10 °C, +50 °C	-40 °C, +55 °C		-20 °C, +55 °C
4-20 mA/24 V loop supply								•
<b>Warranty and electrical safety</b>								
Limited lifetime warranty	•	•	•			•		
Warranty (years)				3	3		3	3
Input alert	•	•						
Dangerous voltage indication	•	•	•	•	•		•	•
CAT III measurements	1000 V	1000 V	1000 V	600 V	600 V	1000 V	1000 V	1000 V
CAT IV measurements	600 V	600 V	600 V				600 V	600 V
See page	7	8	9	10	11	12	28	30

Digital Multimeters

For more information, go to [www.fluke.com/dmm](http://www.fluke.com/dmm)

# Fluke 430 Series Three-Phase Power Quality Analyzers

**Pinpoint power problems faster, safer and in greater detail**



Fluke 435

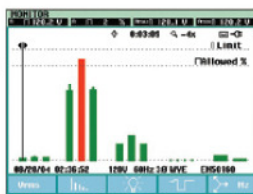
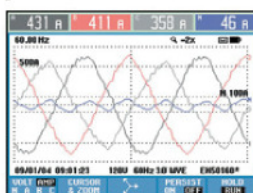
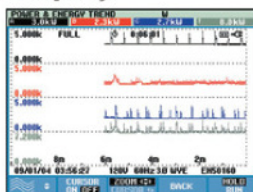


Fluke 434



The Fluke 435 and 434 Three-Phase Power Quality Analyzers help you locate, predict, prevent and troubleshoot problems in three- and single-phase power distribution systems. Troubleshooting is faster with on-screen display of trends and captured events, even while background recording continues. The new IEC standards for flicker, harmonics, and power quality are built right in to take the guess work out of power quality.

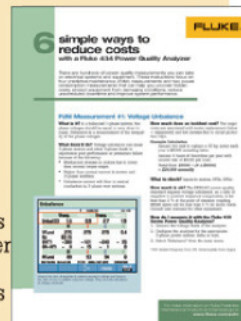
- Troubleshoot real-time:** Analyze the trends using the cursors and zoom tools—even while background recording continues.
- AutoTrend:** Every measurement you see is always automatically recorded, without any setup.
- Automatic Transient Mode:** Capture 200 kHz waveform data on all phases simultaneously up to 6 kV.
- Measure all three phases and neutral:** With included four current probes.
- Fully Class-A compliant:** Conduct tests according to the stringent international IEC 61000-4-30 Class-A standard.
- System-Monitor:** Up to ten power quality parameters on one screen according to EN50160 power quality standard.
- Inrush mode:** For troubleshooting nuisance circuit breaker tripping.
- Logger function:** Configure for any test condition with memory for over 400 parameters at user defined intervals.



## Six simple ways to reduce costs with a Fluke 434 Power Quality Analyzer

There are hundreds of power quality measurements you can take on electrical systems and equipment. These instructions focus on four predictive maintenance (PdM) measurements and two power consumption measurements that can help you uncover hidden costs, protect equipment from damaging conditions, reduce unscheduled downtime, and improve system performance.

Download this application note at [www.fluke.com/six-ways](http://www.fluke.com/six-ways).



## More PQ info online at [www.fluke.com/pq](http://www.fluke.com/pq)

Get a free PQ training DVD [www.fluke.com/PQ-DVD](http://www.fluke.com/PQ-DVD)

Sign up for a PQ seminar [www.fluke.com/FPQseminar](http://www.fluke.com/FPQseminar)



## Features - 435 and 434 PQ Analyzers

Features	435 <small>W 59-07-0435</small>	434* <small>W 59-07-0434</small>
Measures voltage, current, dips, swells, interruptions, harmonics, inter-harmonics, flicker, power, energy, transients, frequency, unbalance, inrush, EN50160 overview	•	•
Logger function with multi-parameter logging	•	Optional*
Mains signaling	•	Optional*
Memory size	16 MB	8 MB
Current probes	3000 A flexible (4)	40 A/400 A clamp (4)
Carrying case	Water-tight hard case with rollers	Rugged hard case
Software	Fluke Power Log and FlukeView®	FlukeView®
Three-year warranty	•	•

\*Optional functionality can be added with upgrade kit.

## Recommended accessories - 435 and 434 PQ Analyzers



Power Quality Analyzers

For more information, go to [www.fluke.com/pq](http://www.fluke.com/pq)

## Included accessories

**Fluke 435:** Hard carrying case with rollers, four flexible current probes (i430 Flex), five test leads and clips, battery charger, FlukeView software, Power Log software, optical USB cable, color localization set, getting started manual, users manual on CD-ROM.

**Fluke 434:** Hard carrying case, four current probes (i400s), five test leads and clips, battery charger, FlukeView software, optical USB cable, color localization set, getting started manual, users manual on CD-ROM.

## Ordering information

**FLUKE-435** Three-Phase Power  
W 59-07-0435 Quality Analyzer  
**FLUKE-434** Three-Phase Power  
W 59-07-0434 Quality Analyzer



# Fluke 345 Power Quality Clamp Meter

FLUKE®

**The ideal meter for commissioning and troubleshooting modern electrical loads**



With a bright color display to analyze the harmonic spectrum, a low-pass filter to remove high frequency noise, and a high EMC immunity design, the Fluke 345 is ideal for measurements on switching loads such as variable speed drives, electronic lighting and UPS systems. Additionally, the Hall Effect measurement system makes measurement of dc current possible without the need to break the circuit, and the internal memory enables long-term logging for analysis of trends or intermittent problems.

- **AC/DC current:** Clamp-on measurement of ac peak and dc current up to 2000 A without breaking the circuit.
- **Highest safety rating:** 600 V CAT IV/1000 V CAT III rated for use at the service entrance.
- **Accurate measurement of parameters:** Even with distorted waveforms present on electronic loads with low-pass filter.
- **Data logging:** Identify intermittent faults by logging any power parameters for minutes or months, including harmonics.
- **Verify batteries:** Direct measurement of dc ripple (%) for battery and dc systems.
- **Troubleshoot harmonics:** Analyze and log harmonics digitally or graphically.
- **Inrush current:** Capture and analysis from 3 seconds to 300 seconds.
- **Easy-to-use:** Easily confirm instrument setup with large backlit color display of waveforms and trends.
- **Three-phase power:** Built in capability for balanced loads.
- **View graphs and generate reports:** With included Power Log software.
- One-year warranty for accessories.

## Basic power quality measurements on the go with the Fluke 345

A great introduction to power quality, this short application note teaches the basics of simple voltage, current, waveform, harmonics, power, inrush, and logging measurements using the Fluke 345. Learn how to read waveforms and how and where to use them, and then learn about harmonics and how they distort voltage and current.

Download this application note at [www.fluke.com/345-apps](http://www.fluke.com/345-apps).



## Fluke 43B Power Quality Analyzer

**Power quality analysis plus a scope and a meter**

The Fluke 43B Power Quality Analyzer performs the measurements you need to maintain power systems, troubleshoot power problems, and diagnose equipment failures. The 43B has 20 storage locations and can store data as well as screens.

- NiMH battery provides extended operating time of 6.5 hours.
- Voltage, current, and power harmonics up to 51<sup>st</sup>.
- Total harmonic distortion (THD).
- Phase angle of individual harmonics.
- FlukeView® software with enhanced analysis and documentation capabilities.
- Continuously measure volts and amps cycle-by-cycle for up to 16 days.
- Cursors give time and date of sags and swells.
- Watts, power factor, displacement power factor, VA and VAR.
- Voltage and current waveforms.
- Calculates three-phase power on balanced loads from a single-phase measurement.
- Catch up to 40 voltage transients and waveform distortions.
- Three-year warranty for the PQ Analyzer.
- One-year warranty for accessories.



### Included accessories

**Fluke 345:** Batteries, pair of measuring leads, alligator clips, users manual, Power Log software, interface cable pouch, and calibration certificate.

**Fluke 43B:** Hard case, voltage and current probes, FlukeView® software, power quality instructional CD, USB interface cable, line voltage adapter/battery charger and users manuals.

### Ordering information

FLUKE-345 AC/DC Power Quality Clamp Meter  
FLUKE-43B Power Quality Analyzer

For more information, go to [www.fluke.com/pq](http://www.fluke.com/pq)

Power Quality Analyzers



# Fluke 902 True-rms HVAC Clamp Meter

FLUKE®

Get more done



W 59-07-0902

HVAC (heating, ventilation, air conditioning) technicians require a service tool that can consistently keep up with their demands. The Fluke 902 expands the existing line of quality Fluke clamp meters by delivering the features necessary to diagnose and repair HVAC systems. Combined with true-rms technology and a CAT III 600 V rating, the Fluke 902 helps technicians do their jobs safely and accurately.

- Designed for HVAC applications with capacitance, dc current ( $\mu$ A), and temperature measurements.
- Small body and jaws fit perfectly in your hand and into tight places.
- Handy "Display Hold" button keeps measurements on the display.
- Meter controls are positioned so current measurements can be done with one hand (index finger on clamp opening lever and thumb on rotary switch).
- Three-year warranty.



True-rms

## Specifications - 902 Clamp Meter

Features	Range	Accuracy
Voltage dc	0 to 600 V	1 % $\pm$ 5 counts
Voltage ac (true-rms)	0 to 600 V	1 % $\pm$ 5 counts (50/60 Hz)
Current ac (true-rms)	0 to 600 A	2.0 % $\pm$ 5 counts (50/60 Hz)
Current dc	0 to 200 $\mu$ A	1.0 % $\pm$ 5 counts
Resistance	0 to 9999 $\Omega$	1.5 % $\pm$ 5 counts
Continuity	$\leq 30 \Omega$	
Temperature range	-10 °C to 400 °C (-14 °F to 752 °F) -40 °C to -10 °C (-40 °F to -14 °F)	$\pm 1.0 \% + 0.8 ^\circ\text{C}$ ( $\pm 1.0 \% + 1.5 ^\circ\text{F}$ ) typical $\pm 5.0 \% + 1.5 ^\circ\text{C}$ ( $\pm 5.0 \% + 3.3 ^\circ\text{F}$ ) typical
Capacitance	1 $\mu$ F to 1000 $\mu$ F	1.9 % $\pm$ 2 counts

See pages 46-47 for information on the HVAC/Indoor Air Quality Tools.

## Fluke 353/355 True-rms, 2000 A Clamp Meters

Well suited for industrial and utility applications

- Reliably handle a wide range of high-current applications with 2000 A ac + dc true-rms, 1400 A ac, and 2000 A dc.
- Large 58 mm (2.3 in) jaw.
- CAT IV 600 V, CAT III 1000 V.
- In-rush current measurement.
- High voltage measurement of 1000 V ac + dc true-rms, 600 V ac, and 1000 V dc (355 only).
- Resistance to 400 K ohms (355 only).
- Continuity beeper (355 only).
- Frequency measurement to 1 KHz.
- Selectable low pass filter mode.
- Min/Max/Avg.
- Large display with backlight.

New



W 59-07-0353



True-rms



For more information, go to [www.fluke.com/clamps](http://www.fluke.com/clamps)

## Fluke 360 AC Leakage Current Clamp Meter

W 59-07-0360

1  $\mu$ A resolution leakage current measurements with a tough, pocket sized clamp

The unique jaw design of the Fluke 360 eliminates the influence of adjacent current conductors and measures leakage current down to 1  $\mu$ A for monitoring of insulation. The ergonomic design of the Fluke 360 ensures easy measuring. The measuring clamp fits into tight spaces and the wide display angle clearly shows the measurement result. The Data Hold button keeps the measured value on the display after removing the clamp for the measured conductor.

The lightweight Fluke 360 offers the widest range of current measurement for maintenance professionals and contractors. Use the rugged Fluke 360 when it's not possible to power down and break the circuit.

### Current measurement

- Automatic ranging within the manually selected mA or A range.
- Ranges 3/30 mA and 30/60 A.
- Current resolution 1  $\mu$ A/0.01 mA and 0.01 A/0.1 A.
- Frequency range 50 and 60 Hz.
- Jaw size: 40 mm (1.55 in) maximum conductor diameter.
- Auto power off.
- One-year warranty.



### Included accessories

**Fluke 902:** AA alkaline batteries (2), users manual (with safety information), soft carrying case, TL75 Test Leads (1 pair), 80BK Integrated Temperature Probe (1).

**Fluke 353:** C43 Soft Carrying Case, 6 AA batteries, and users manual.

**Fluke 355:** C43 Soft Carrying Case, 6 AA batteries, TL224 1.5 m Silicone Rubber Test Leads, TP2 Test Probes, AC285 Alligator Clips, and users manual.

**Fluke 360:** Soft carrying pouch and users manual.

### Ordering information

FLUKE-902 HVAC Clamp Meter  
FLUKE-353 AC/DC True-rms Clamp Meter, 2000 A, Amps only  
FLUKE-355 AC/DC True-rms Clamp Meter, 2000 A  
FLUKE-360 AC Leakage Current Clamp Meter (not available in Canada)

Clamp Meters



# Fluke 330 and 320 Series Clamp Meters

FLUKE®

Get more done



## Fluke 330 Series Clamp Meters\*

- Inrush current feature (selected models).
- Small body and jaws fit perfectly in your hand and into tight places.
- Controls positioned for one hand operation.
- Accurate low current measurements.
- Backlight available on most models.
- Auto shut-off.
- Display hold.
- Safety rating: IEC 1010-2-031, CAT III 600 V.

## Fluke 320 Series Clamp Meters\*

- Precise measurements with 1.8 % basic accuracy
- Resolution up to 0.01 A and 0.1 V
- Measures ac current 40.00 A/400.0 A
- Measures ac and dc volts to 600 V
- Resistance measurement to 400 Ω
- Continuity for quick checking of shorts

\*See specifications chart for details per model.



## Making accurate inrush current measurements

New high-efficiency motors require better tools to evaluate and fix the consequences of their high inrush current. The Fluke 335, 336 and 337 Clamp Meters are designed to capture inrush current accurately and, most importantly, synchronously and provide readings that accurately depict what the circuit protector experiences.

This application note covers practices to help you accurately and safely measure and interpret inrush current measurements.

Download this application note at [www.fluke.com/inrush](http://www.fluke.com/inrush)



## Specifications - 330 and 320 Series

Fluke 320 and 330 Series Clamp Meters offer an impressive array of innovative features with current ranges up to 1000 A. Choose the model that matches the jobs you do.

(@23 °C ± 5 °C RH 0 to 90 %)		Fluke 321	Fluke 322	Fluke 333	Fluke 334	Fluke 335	Fluke 336	Fluke 337
AC current	Range	to 400.0 A	40.00 A/ 400.0 A	to 400.0 A	to 600.0 A			to 999.9 A
	Accuracy	1.8 % + 5 counts (50 to 60 Hz)		2 % + 5 counts (50 to 60 Hz)			2 % + 5 counts (10 to 100 Hz)	
	AC response	Averaging				True-rms		
Inrush	Integration time				100 mS			
DC current	Range						0 to 600.0 A	0 to 999.9 A
	Accuracy						2 % + 3 counts	
AC volts	Range	400.0 V/600.0 V		to 600.0 V				
	Accuracy	1.2 % + 5 counts (50 to 400 Hz)		1 % + 5 counts (50/60 Hz)			1 % + 5 counts (20 to 100 Hz)	
	AC response	Averaging				True-rms		
DC volts	Range		400.0 V/ 600 V	to 600.0 V				
	Accuracy		1 % + 5 counts					
Ohms	Range	to 400.0 Ω		to 600.0 Ω	600.0 Ω/6000 Ω			
	Accuracy	1 % + 5 counts		1.5 % + 5 counts				
Hz	Continuity	≤ 30 Ω						
	Range							to 400 Hz
	Accuracy							0.5 % + 5 counts
Min/Max								Yes
Backlight					Yes			
Display hold		Yes						
Size	H x W x D	19 cm x 6.3 cm x 3.5 cm (7.5 in x 2.5 in x 1.4 in)		23.9 cm x 7.9 cm x 4 cm (9.4 in x 3.1 in x 1.6 in)			25 cm x 7.9 cm x 4 cm (9.9 in x 3.1 in x 1.6 in)	
	Max wire dia.	2.5 cm (1 in)		3 cm (1.2 in)				
	Weight	0.22 <b>gg</b> (8 oz)		0.31 kg (11 oz)				
Warranty		Two-year		Three-year				

## Recommended accessories - 320 and 330 Series



Clamp Meters

For more information, go to [www.fluke.com/clamps](http://www.fluke.com/clamps)

## See also the Fluke 771 Milliamp Process Clamp Meter

Measures, tests, and troubleshoots 4-20 mA control signals without breaking the mA loop. See page 31 for more information.



**Included accessories**  
Soft carrying case, test leads, 2 batteries, instruction card and safety information.

## Ordering information

FLUKE-321	W 59-07-0321
FLUKE-322	W 59-07-0322
FLUKE-333	W 59-07-0333
FLUKE-334	W 59-07-0334
FLUKE-335	W 59-07-0335
FLUKE-336	W 59-07-0336
FLUKE-337	W 59-07-0337



# Fluke T5, T+PRO and T+ Electrical Testers

FLUKE

## Alternatives to traditional solenoid testers



### Fluke T+PRO and T+ Electrical Testers

- Three forms of ac/dc voltage detection: Light, sound, and vibration.
- Detects live voltage even when batteries are dead.
- Extra heavy-duty, replaceable test leads.
- CAT IV 600 V, CAT III 1000 V rated.
- Continuity beeper, LED flashlight and GFCI trip.

### Fluke T5 Voltage, Continuity and Current Tester

- Excellent front-line troubleshooting and measurement tool.
- Available in 600 V and 1000 V models.
- Digital display.
- OpenJaw™ current measurement.
- Rotary switch selects volts, amps and ohms functions.
- Heavy-duty test leads.



## Specifications - T+ Series and T5 Testers

Features	T+PRO	T+	T5-1000	T5-600
Measure ac/dc voltage	Preset 12 V, 24 V, 48 V, 120 V, 208 V, 240 V, 277 V (Canada 347 V), 480 V, 600 V		1000 V	600 V
Measure ac current (average)			100 A	100 A
Measure continuity	Yes	Yes	< 25 Ω	< 25 Ω
Measure resistance	9.99 kΩ		1000 Ω	1000 Ω
DC polarity indicator			Yes	Yes
Detachable probe tips with optional probe tip styles	Yes	Yes	Yes	Yes
Digital display	Yes	No	Yes	Yes
Safety rating	CAT IV 600 V/ CAT III 1000 V	CAT IV 600 V/ CAT III 1000 V	1000 V Overvoltage CAT III	600 V Overvoltage CAT III
Warranty	Two-years	Two-years	Two-years	Two-years

\* Voltage levels will vary depending on country of intended use.

## Buy Electrical Tester Kits and Save



**T+PRO-1AC Kit**  
Combo kit includes:  
• Fluke T+Pro Electrical Tester  
• Fluke VoltAlert™



**T5-1000 Tester Kit**  
Combo kit includes:  
• Fluke T5-1000 Voltage Electrical Tester  
• Fluke VoltAlert™  
• Fluke H5 Holster



**VoltAlert™ Multi Pack**  
Includes five Fluke VoltAlerts. The special kit pricing gets you the fifth VoltAlert™ free. Outfit your entire staff.

## Recommended accessories - Electrical Testers



**H5**  
Electrical Tester Holster  
See page 62.

W 59-15-0005



**AC285 (T5)**  
SureGrip™ Alligator Clips  
See page 54.

W 59-15-0285



**Meter Cleaner**  
Cleaning Wipes  
See page 53.



**T5 Kit**  
Starter Kit  
See page 53.



**C520A**  
Leather Tool Case

Electrical Testers

For more information, go to [www.fluke.com/tseries](http://www.fluke.com/tseries)

### Fluke 1AC-II/1LAC-II VoltAlert™

W 59-07-2003

#### The pocket-sized voltage detector

The next generation VoltAlert™ ac non-contact voltage testers from Fluke are easy to use—just touch the tip to a terminal strip, outlet, or supply cord. When the tip glows red and the unit beeps, you know there is voltage present. Electricians, maintenance, service and safety personnel and homeowners can quickly test for energized circuits in the workplace or at home. Certified up to CAT IV 1000 V.

#### Two models to choose from:

- **1AC-II** – Detects voltage from 90 V ac to 1000 V ac.
- **1LAC-II** – Detects voltage from 20 V ac to 90 V ac.
- Two-year warranty.



### Fluke LVD2 Volt Light

W 59-07-0002

- Non-contact ac voltage detector and bright white LED flashlight.
- Detects voltage from 90 V to 600 V ac from 1 to 5 inches away.
- Cat IV rated, one-year warranty.

## Included accessories

The T5-1000 and T5-600 come with detachable probes and instruction sheet.

- W 59-15-0023 T+PRO Electrical Tester
- W 59-07-0013 T+PRO CAN Electrical Tester
- W 59-07-0013 T+ Electrical Tester
- W 59-07-1023 T+ CAN Electrical Tester
- W 59-07-1023 T+PRO-1AC Kit Electrical Tester and AC Voltage Detector Kit
- T+PRO CAN-1AC Kit Electrical Tester and AC Voltage Detector Kit
- W 59-07-5100 T5-1000 1000 V Voltage, Continuity and Current Tester
- W 59-07-5060 T5-600 600 V Voltage, Continuity and Current Tester
- T5-H5-1AC Kit Voltage, Continuity and Current Tester Kit
- W 59-07-2003 1AC-II 5PK VoltAlert 5 Pack
- W 59-07-2001 1LAC-II Voltage Detector
- W 59-07-9040 9040 Rotary Field Indicator
- LVD2 Volt Light



# Fluke 771 Milliamp Process Clamp Meter

**Measure 4 to 20 mA signals without breaking the loop**



The innovative new Fluke 771 mA Process Clamp Meter is designed to measure, test, and troubleshoot 4-20 mA control signals without breaking the mA loop. Make mA measurements in active control systems without disrupting process control.

## Features:

- Best in class 0.2 % accuracy.
- Resolution and sensitivity to 0.01 mA.
- Hold function captures and displays changing measurements.
- Dual display with both mA measurement and 0 % to 100 % of 4-20 mA span.
- Measurement spotlight illuminates hard to see wires in dark enclosures.
- Detachable clamp with extension cable for measurements in tight locations.
- Includes carrying case that can be used as a belt mounted holster.

## Key uses:

- Measure mA signals for PLC and control system analog I/O.
- Measure 4-20 mA output signals from transmitters.
- Measure 10-50 mA signals in older control systems using the 99.9 mA range.



## Specifications - 771 Process Clamp Meter

Range/Resolution	Accuracy
-20.99 to +20.99 mA	0.2 % or reading + 5 counts
-21.0 to -99.9 mA +21.0 to +99.9 mA	1 % reading + 5 counts
<b>General specifications</b>	
Operating temperature	-10 °C to 50 °C
Storage temperature	-25 °C to 60 °C
Operating humidity	<95 % @ <30 °C, <75 % @ 30 °C to 55 °C
Operating altitude	0 m to 2000 m
IP rating	IP 40
Size	59 mm x 38 mm x 212 mm (2.32 in x 1.5 in x 8.35 in)
Weight	260 g (9.1 oz)
Vibration random	2 g, 5 Hz to 500 Hz
Shock	1 meter drop test (excluding the jaw)
EMI, RFI, EMC	Meets EN61326-1
Temperature coefficients	0.01 % / °C, <18 °C or > 28 °C
Power, battery life	(2) AA 1.5 V alkaline, IEC LR6, 20 hours typical
Category rating	CAT II 300 V
Warranty	Three-years for electronics, one-year for clamp cable assembly

## Related products - 771 Process Clamp Meter



**Fluke 707**  
Loop Calibrator  
See page 36.

W 59-07-0707



**Fluke 125**  
ScopeMeter  
See page 49.

W 59-27-0125

For more information, go to [www.fluke.com/processmeters](http://www.fluke.com/processmeters)

## Steel mill keeps its emissions record stainless

Follow along as the 771 tests control loops for system operations and emissions at a steel mill. Users explain the benefits of milliamp percentage readings and dual milliamp and percent of scale readings as they monitor boiler performance.

Download this application note at [www.fluke.com/FN-Steel 771](http://www.fluke.com/FN-Steel_771)



Detachable clamp used to measure 4 mA to 20 mA signals on transmitters without breaking the loop.

**Included accessories**  
Carrying case, and instruction manual.

**Ordering information**  
FLUKE-771 Milliamp Process Clamp Meter

W 59-07-0771

Process Calibration Tools



# Fluke 54 Series II Thermometer

FLUKE®

## Lab accuracy in a field thermometer



The Fluke 51, 52, 53 and 54 Series II Thermometers offer high accuracy with fast response times to quickly capture your measurement and show trends. Choose from four models to get the functionality, thermocouple support and data logging you need.

### All models offer:

- Laboratory accuracy:  $\pm (0.05\% + 0.3\text{ }^{\circ}\text{C})$ .
- Large backlit dual display presents all the information you need at a glance.
- Min, Max, and Avg—with time references—captures major events.
- Electronic Offset function maximizes overall accuracy by allowing you to compensate for thermocouple errors.
- Supports a wide range of thermocouple types.
- Temperatures displayed in  $^{\circ}\text{C}$ ,  $^{\circ}\text{F}$ , or Kelvin (K).
- Splash and dust resistant case.
- Sleep mode to increase battery life (typical 1000-hour life).
- Battery door allows easy battery replacement without breaking the calibration seal.

### Powerful data logging capabilities

The Fluke 53 and 54 Series II can log up to 500 points of data to internal memory.

- User-adjustable recording intervals.
- Real-time clock captures the exact time of day of events.
- Recall function allows logged data to be easily reviewed on the meter display.
- For further analysis and graphing, data can be exported to optional FlukeView® PC software using the thermometer's IR communication port.



## Specifications – 51, 52, 53 and 54 Series II

Features	51	52	53	54
Thermocouple types	K,J,T,E	K,J,T,E	K,J,T,E,N,R,S	K,J,T,E,N,R,S
Number of inputs	Single	Dual	Single	Dual
Time stamp	Relative time	Relative time	Time of day	Time of day
Temperature measurement accuracy (for temperatures above $-100\text{ }^{\circ}\text{C}$ )	Type J,K,T,E,N: $\pm [0.05\% + 0.3\text{ }^{\circ}\text{C} (0.5\text{ }^{\circ}\text{F})]$ Type R,S: $\pm [0.05\% + 0.4\text{ }^{\circ}\text{C} (0.7\text{ }^{\circ}\text{F})]$			
Measurement range (depending on thermocouple type)	$-250\text{ }^{\circ}\text{C} (-418\text{ }^{\circ}\text{F})$ to $1767\text{ }^{\circ}\text{C} (3212\text{ }^{\circ}\text{F})$			
Display resolution	$0.1\text{ }^{\circ}\text{C}/^{\circ}\text{F}/\text{K} < 1000^{\circ}$ , $1\text{ }^{\circ}\text{C}/^{\circ}\text{F}/\text{K} \geq 1000^{\circ}$			
Operating temperature	$-10\text{ }^{\circ}\text{C}$ to $50\text{ }^{\circ}\text{C}$ ( $14\text{ }^{\circ}\text{F}$ to $122\text{ }^{\circ}\text{F}$ )			
Storage temperature	$-40\text{ }^{\circ}\text{C}$ to $60\text{ }^{\circ}\text{C}$ ( $-40\text{ }^{\circ}\text{F}$ to $140\text{ }^{\circ}\text{F}$ )			
Humidity	0% to 90%: $0\text{ }^{\circ}\text{C}$ to $35\text{ }^{\circ}\text{C}$ ( $32\text{ }^{\circ}\text{F}$ to $95\text{ }^{\circ}\text{F}$ ), 0% to 70%: $0\text{ }^{\circ}\text{C}$ to $50\text{ }^{\circ}\text{C}$ ( $32\text{ }^{\circ}\text{F}$ to $122\text{ }^{\circ}\text{F}$ )			
Weight	400 g (14 oz)			
Size (HxWxD)	17.3 cm x 8.6 cm x 3.8 cm (6.8 in x 3.4 in x 1.5 in)			
Battery	Three AA batteries; typical 1000-hour life			
Warranty	Three-years			

## Recommended accessories – 51, 52, 53 and 54 Series II Thermometers



**TPak**  
ToolPak Meter  
Hanging Kit  
See page 63.

W 59-15-8903



**80PK-8**  
Pipe Clamp  
Temperature Probe  
See page 60.

W 59-13-0008



**80PK-22**  
SureGrip™ Immersion  
Temperature Probe  
See page 60.

W 59-13-0022



**80PK-25**  
SureGrip™ Piercing  
Temperature Probe  
See page 60.

W 59-13-0025



**FV-FSC1**  
FlukeView Forms  
Software  
See page 67.

W 59-15-0001

## Fluke 63, 66, and 68 Infrared Thermometers

Infrared thermometers are perfect for measuring hot, moving, electrically energized, and hard-to-reach objects and equipment.

- Wide temperature range and quick response time.
- Choice of D:S – 12:1 (63) 30:1 (66) 50:1 (68).
- Laser sighting.
- Adjustable emissivity (66/68) for more accuracy.
- Two-year warranty.



**Intrinsically safe Fluke 68 version available** (see page 37).

## Fluke 61 Infrared Thermometers

- Easy to use one button operation.
- Easy targeting with bright laser.
- Shock-absorbing molding increases ruggedness.
- Two-year conditional warranty.
- Temperature measurement range up to  $275\text{ }^{\circ}\text{C}$  ( $525\text{ }^{\circ}\text{F}$ ).
- 8:1 optics.
- Accurate to within  $\pm 2\%$  of reading or  $2\text{ }^{\circ}\text{C}$ , which ever is greater.



## Included accessories

**Fluke 50 Series II:** 80PK-1 Bead Thermocouple(s), batteries, overview manual and instructional guide on CD-ROM.

**Fluke 63, 66, 68:** Carrying case, users manual, 9 V battery.

**Fluke 61:** Instruction sheet and 9 V battery.

## Ordering information

- W 29-07-5051 **FLUKE-51-2** Digital Thermometer, Single Input
- W 59-07-5052 **FLUKE-52-2** Digital Thermometer, Dual Input
- W 59-07-5053 **FLUKE-53-2** Datalogging Thermometer, Single Input
- W 59-07-5054 **FLUKE-54-2** Datalogging Thermometer, Dual Input
- W 59-07-0063 **FLUKE-63** Infrared Thermometer
- W 59-07-0066 **FLUKE-66** Infrared Thermometer
- W 59-07-0068 **FLUKE-68** Infrared Thermometer
- FLUKE-68IS** Intrinsically Safe Infrared Thermometer
- W 59-07-0061 **FLUKE-61** Infrared Thermometer

Thermometers

For more information, go to  
[www.fluke.com/thermometers](http://www.fluke.com/thermometers)



# Fluke 560 Series Infrared Thermometers

FLUKE®

Go beyond other IR thermometers with more applications



New

CE

## Fluke 566 and 568 IR and contact thermometers

Just when you thought advanced IR temperature measurement should be easier! With a straightforward user interface and soft-key menus, the Fluke 566 and 568 make even complex measurements easy. With just a few pushes of a button you can easily adjust emissivity, start data logging, or turn on and off alarms. With a rugged, easy-to-use design, the Fluke 566 and 568 can stand up to tough industrial, electrical, and mechanical environments.

- Measure up to 800 °C (1470 °F).
- Easily access advanced features with the soft-key buttons and graphical display.
- Measure smaller objects from further away.
- Compatibility with most type-K thermocouples.
- Confidently measure more surfaces, with adjustable emissivity and built-in materials table.
- Log and download measurements for reporting (568).
- Two levels of backlight.
- Audible and visual alarms alert you to measurements outside of set limits.
- Min, Max, Avg, and Dif functions.
- Includes KTC Bead Probe.
- 1 % measurement accuracy.
- Versatile interface with six languages.

## Specifications – Infrared Thermometers

Models	Fluke 561	Fluke 566	Fluke 568	Fluke 681S	Fluke 62
Infrared temperature range	-40 °C to 535 °C (-40 °F to 1022 °F)	-40 °C to 650 °C (-40 °F to 1200 °F)	-40 °C to 800 °C (-40 °F to 1470 °F)	-32 °C to 760 °C (-25 °F to 1400 °F)	-30 °C to 500 °C (-20 °F to 932 °F)
Accuracy	greater of ± 1 % or ± 1 °C (2 °F)			greater of ± 1 % or ± 1 °C (2 °F)	greater of ± 1.5 % or ± 1 °C (2 °F)
Distance to Spot (D:S)	12:1	30:1	50:1	50:1	10:1
Sighting	Laser point				
Typical distance to target	Up to 2.5 m (7 ft)	Up to 4.5 m (15 ft)	Up to 7.5 m (25 ft)	Up to 7.5 m (25 ft)	Up to 2 m (6 ft)
Probe type	Thermocouple K			RTD	
Contact temperature range	-40 °C to 550 °C (-40 °F to 1022 °F)	-270 °C to 1372 °C (-454 °F to 2501 °F)		-40 °C to 260 °C (-40 °F to 500 °F)	
Number of on-board memory locations		20	99	12	
PC download and software			Yes, with FlukeView® Forms		
Soft-key feature menu navigation		Yes			
Min/Max/Avg/Dif	Min/Max/Dif	Min/Max/Avg/Dif		Min/Max/Avg/Dif	Max
English, French, Chinese, Spanish, Portuguese, German user interface		Yes			
Material type adjustment (emissivity)	Hi/Med/Lo	Material table or 0.1 to 1.00 by 0.01		0.1 to 1.00 by 0.01	Preset to 0.95
Two levels of backlight		Yes			
High and low alarms		High and low alarms		High and low alarms	
Hazardous location approval				FM approved intrinsically safe	
Hands-free logging		Yes			
Battery	2 AA			9 V	
Included case	Hard case (except 561/R and 561/P)	Hard case Hard case			Soft case
Warranty	Two-years				

## Recommended accessories – Infrared Thermometers



**80PK-11**  
Pipe Clamp Probe  
(all models)  
See page 60.



**LVD1**  
Volt Light  
(all models)  
See page 56.



**C101**  
Deluxe  
Hard Case  
See page 62.

W 59-07-0001

For more information, go to [www.fluke.com/thermometers](http://www.fluke.com/thermometers)

## Fluke 62 Mini Infrared Thermometer

- Temperature measurement range up to 500 °C (932 °F).
- 10:1 optics.
- Accurate to within ± 1.5 % of reading or ± 1.5 °C.
- Max temperature display.
- Laser sighting.
- Backlit display.
- Two-year conditional warranty.



## Fluke 561 Infrared and Contact Thermometer

The Fluke 561 combines the temperature measurement functions that professionals need for most HVAC and industrial jobs, all in one tool.

- Velcro® pipe probe for superheat and sub-cooling and other contact and ambient measurements.
- Min, Max and Dif functions help you quickly identify problems.
- Scan large areas or small objects quickly and efficiently.



## Included accessories

**Fluke 561:** Thermocouple K-type Velcro® pipe probe, carrying case, users manual, two AA batteries.

**Fluke 566:** Thermocouple K-type bead probe, carrying case, users manual and quickstart guide, two AA batteries.

**Fluke 568:** USB cable, FlukeView® Forms software, thermocouple K-type bead probe, carrying case, users manual and quickstart guide, two AA batteries.

**Fluke 62:** Storage pouch and instruction sheet.

## Ordering information

W 59-07-0561	FLUKE-561	Infrared Thermometer
W 59-07-0566	FLUKE-566	Infrared Thermometer
W 59-07-0568	FLUKE-568	Infrared Thermometer
W 59-07-0062	FLUKE-62	Mini Infrared Thermometer

Thermometers



Utilities



Residential



Industrial



Commercial



Electrical



HVAC/AQ



# Fluke 570 Series Infrared Thermometers

**The predictive maintenance  
professional's precision diagnostic tool**



CE

The Fluke 572, 574 and 576 non-contact thermometers are ideal professional diagnostic tools for maintenance professionals requiring the most accurate temperature readings at all distances. Predictive maintenance professionals requiring analysis and documentation use the 574 or 576 models, with 100-point data logging and digital photographs (576 only) with the included software for graphing and analysis for follow-up reporting and documentation.

- Backlit display for poorly lit areas.
- Displays last ten temperature readings on bar graph for easy reference.
- Enhanced optics (distance to spot ratio up to 60:1) allow measurements of smaller objects from farther away.
- Coaxial three-dot laser sighting system highlights the true diameter of measurement spots at all distances.
- Adjustable emissivity setting (all models) and 30 pre-set common material values (574, 576) for more accurate measurements.
- 100-data point logging for documentation (574, 576).
- Customizable log names, alarms, and emissivity values for personalized measurements (574, 576).
- Software to log, graph, and analyze temperature data via RS-232 (574) connection or USB connection (576, includes photo viewing feature).
- Instantly captures photographs of measurement locations along with temperature and date-time information for improved documentation and maintenance follow-up (576).
- Close-focus option available for specialized, small target applications.
- Durable hard plastic storage case.



CE

## 574-NI Nonincendive Thermometer

When safety is a concern and data logging and downloading are required, the Fluke 574 Nonincendive (NI) thermometer is the product to choose. It has the same great features as the standard 574 model thermometers with the extra confidence of a Factory Mutual approval for use in hazardous environments.

Class I, Division 2, Groups A, B, C, D: Class I, Zone 2 IIC; T4 Ta=50 °C when used with 1.5 V alkaline batteries.



## Fluke 576 Photographic Non-contact Thermometer

The Fluke 576 thermometer measures temperature while digitally photographing the measured area and its surroundings. The 576 allows you to:

- Ensure consistency of repeated measurements by using prior photos as a reference.
- Position the laser sighting to assure the measurement area is the same.
- Create customized company reports with the software, data and photos, using standard Windows programs.

## Specifications - 572, 574 and 576 IRTs

Models	Fluke 572	Fluke 574	Fluke 574-NI	Fluke 576
Temperature range	-30 °C to 900 °C (-25 °F to 1600 °F)			
D:S (Distance to Spot size)	60:1 [50:1 with close focus option (close focus not available with NI model)]			
Laser sighting	3-dot, coaxial, extra-bright			
Emissivity	Adjustable	Adjustable, plus table of 30 preset values		
Accuracy	± 0.75 % of reading or (± 0.75 °C (± 1.5 °F) whichever is greater (assumes ambient operating temperature of 23 °C [73 °F])			
Response time	250 mSec			
Display hold (7 seconds)	Yes			
LCD backlit	Yes			
Max, Min temperatures	Yes			
Dif, Avg temperatures	No	Yes	Yes	Yes
Recall last reading	Yes			
Audible/visible Hi alarm	Yes			
Audible/visible Lo alarm	No	Yes	Yes	Yes
Bar graph display	Yes			
100 points data logging	No	Yes	Yes	Yes
Data graphing software (Windows 2000, XP compatible)	No	Yes	Yes	Yes
Photo viewing software (Windows 2000, XP, NT compatible)	No	No	No	Yes
26 images (640 x 480 pixel)	No	No	No	Yes
100 images (320 x 240 pixel)	No	No	No	Yes
Image file format (.jpg)	No	No	No	Yes
Protective hard case	Yes			
Weight	472 g (1 lb, 1 oz)	480 g (1 lb, 1 oz)	480 g (1 lb, 1 oz)	580 g (1 lb, 1 oz)
Dimensions	16.7 cm x 5 cm x 19.8 cm (6.58 in x 1.97 in x 7.80 in)			16.7 cm x 5 cm x 23.8 cm (6.58 in x 1.97 in x 9.57 in)
Power	2 AA batteries	2 AA batteries/ AC adapter	2 AA batteries/ AC adapter	2 AA batteries/ USB
Warranty	Two-years, conditional			
Additional options/accessories	Nylon holster, NIST traceable calibration certificate	Nylon holster, NIST traceable calibration certificate, analog cable		

## Included accessories

2 AA batteries, operator's guide (on CD), durable hard case, thermocouple K probe (574, 576), power supply (574), RS-232 data cable (574), USB 1.1 cable (576), data graphing, storage and analysis software on CD-ROM (574, 576).

## Ordering information

FLUKE-572	Precision Infrared Thermometer
W 59-07-0572	
FLUKE-572-CF	Precision Infrared Thermometer with Close Focus Option
W 59-07-0573	
FLUKE-574	Precision Infrared Thermometer w/Logging SW
W 59-07-0574	
FLUKE-574-NI	Precision Infrared Thermometer w/Logging SW Nonincendive
FLUKE-574-CF	Precision Infrared Thermometer w/Logging SW Close Focus
FLUKE-576	Precision, Photographic Infrared Thermometer w/Logging SW
W 59-07-0576	
FLUKE-576-CF	Precision, Photographic Infrared Thermometer w/Logging SW Close Focus

Thermometers

For more information, go to  
[www.fluke.com/thermometers](http://www.fluke.com/thermometers)



# Ti25 and Ti10 Thermal Imagers

The perfect thermal imagers for everyday troubleshooting and maintenance



The perfect tools to add to your problem solving arsenal. Built for tough work environments, these high-performance, fully radiometric imagers are ideal for troubleshooting electrical systems, electro-mechanical equipment, process equipment, HVAC/R equipment and others.

- Enhanced problem detection and analysis capabilities with patent-pending IR-Fusion® Technology—only available from Fluke.
- Optimized for field use in harsh work environments.
  - Engineered and tested to withstand a 2 meter (6.5 ft) drop
  - Withstands dust and water—tested to an IP54 rating
  - Innovative protective lens cover protects the lens when not in use
- Delivers the clear, crisp images needed to find problems fast
  - Identify even small temperature differences that could indicate problems with excellent thermal sensitivity (NETD)
  - Even the smallest details become visible with the large, widescreen full color LCD display
- Intuitive, three-button menu is easy to use... simply navigate with the push of a thumb.
- No need to carry pen and paper—record findings by speaking into the camera—comments are saved with the image (Ti25 only).
- Store more than 3,000 screen images (.bmp format) or 1,200 IR-Fusion images on included 2 GB SD memory card.

IR-Fusion®

See page 41 to find out the power of IR-Fusion Technology—only available from Fluke.

## Specifications - Ti25 and Ti10 Imagers

Features	Ti25	Ti10
Temperature measurement range (not calibrated below -10 °C)	-20 °C to +350 °C (-4 °F to +662 °F) (two ranges)	-20 °C to +250 °C (-4 °F to +482 °F)
Accuracy	± 2 °C or 2 % (whichever is greater)	± 5 °C or 5 % (whichever is greater)
Field of view	23° x 17°	
Spatial resolution (IFOV)	2.5 mRad	
Minimum focus distance	Thermal lens: 15 cm (6 in) Visible (visual) light lens: 46 cm (18 in)	
Image frequency	9 Hz refresh rate	
Detector type	160 X 120 focal plane array, uncooled microbolometer	
Infrared lens type	20 mm F = 0.8 lens	
Thermal sensitivity (NETD)	≤ 0.1 °C at 30 °C (100 mK)	≤ 0.2 °C at 30 °C (200 mK)
Visual camera	640 x 480 resolution	
Palettes	Ironbow, blue-red, high contrast, amber, hot metal, gray	Ironbow, blue-red, high contrast, gray
IR-Fusion® information	Full infrared with Max, Mid, or Min automatic blending; and picture-in-picture with Max, Mid, or Min automatic blending (Visual and IR blending)	Full infrared or picture-in-picture
Voice annotation	60 seconds maximum recording time per image	
Storage medium	SD memory card (2 GB memory card will store at least 1200 fully radiometric (.is2) IR and linked visual images each with 60 seconds voice annotations or 3000 basic (.bmp) IR images)	
File formats	Non-radiometric (.bmp) or fully-radiometric (.is2) No analysis software required for non-radiometric (.bmp) files	
Software	SmartView™ full analysis and reporting software included	
Power	Battery: Internal rechargeable battery pack (included) Battery life: Three to four hours continuous use (assumes 50 % brightness of LCD) Battery charge time using ac adapter/charger and dc car charger: Two hours for full charge	
AC operation/charging	AC adapter/charger (110 V ac to 220 V ac, 50 Hz to 60 Hz). Charges battery while imager is operating. Universal ac mains adapters included.	
IP rating	IP54	
Warranty	Two-years	

## Recommended accessories - Ti25, Ti10, and Ti20 Thermal Imagers



Ti20-Visor  
Sun Visor



Ti30-TBP  
Rechargeable Battery Pack  
(for use with Ti20 Thermal Imager)



Ti-CAR CHARGER  
Car Charger

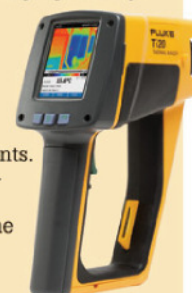
Thermal Imaging

For more information, go to  
[www.fluke.com/thermal\\_imaging](http://www.fluke.com/thermal_imaging)

## Fluke Ti20 Thermal Imager Everything needed for fast and easy inspection routing

The unbeatable solution for preventive and entry-level predictive maintenance.

- Fast and easy inspection routing. Plan your equipment inspection route, load it into the imager once and then follow the easy, on-imager location instructions each time you perform inspections.
- Complete imaging solution. The Ti20 is packaged with all necessary accessories including unlimited use InsideIR™ companion software and a training CD to get you up and running right away.
- Designed for industrial use. Rugged Fluke construction; IP54-rated for use in harsh work environments.
- Easy image capture. Just point, focus and pull the trigger!



## Included accessories

**Fluke Ti25/Ti10:** Thermal imaging camera w/20 mm lens, ac power supply/battery charger (including mains adapters), SD memory card, SD card reader (USB), SmartView™ software, rugged hard carrying case, soft transport bag, hand strap, users manual, warranty registration card.

**Fluke Ti20:** Thermal imaging camera, InsideIR software, USB communication cable, hard carrying case, soft-sided carrying case, wrist strap, 2 rechargeable battery packs, one 1 AA battery carrier, training materials and getting started guide.

## Ordering information

FLK-Ti25 9HZ Thermal Imager  
FLK-Ti10 9HZ Thermal Imager  
FLUKE-Ti20 US Thermal Imager  
FLUKE-Ti20 INT Thermal Imager  
FLUKE-Ti20 INT/9 Thermal Imager  
Ampac  
Ampac 9 Hz

W 59-07-0025

W 59-07-0020



# Fluke 975 AirMeter™

**Five powerful tools in one, with simple one-touch air velocity**



The Fluke 975 test tool combines five powerful air quality tools into one. Identify and diagnose indoor air quality issues quickly and easily with one rugged, handheld device. The Fluke 975 measures and simultaneously displays temperature, humidity, CO<sub>2</sub> and CO. At the press of a button, it quickly measures air flow and percentage of outside air.

- Simultaneously measures, logs, and displays temperature, humidity, CO<sub>2</sub>, and CO on a bright, backlit LCD display.
- % of outside air calculation.
- One-touch air flow and velocity with available probe.\*
- Dew point and wet bulb temperature.
- CO<sub>2</sub> and CO field calibration feature.
- Min/Max/Average on all measured and calculated readings.
- Audible and visual threshold alarms.
- Extensive discrete or continuous data logging capacity, downloadable to PC via USB interface.
- Includes NIST-traceable certificate of calibration.
- Automatically compensates for barometric pressure changes.
- Two-year warranty.

\*Included with Fluke 975V, optional with Fluke 975.

Features	Range	Display Resolution	Accuracy
Temperature	-20 °C to 50 °C (-5 °F to 122 °F)	0.1 °C (0.1 °F)	± 0.9 °C/± 1.62 °F from 40 °C to 60 °C ± 0.5 °C/± 1.00 °F from 5 °C to 40 °C ± 1.1 °C/± 1.98 °F from -20 °C to 5 °C
Relative humidity	10 % to 90 % RH non-condensing	1 %	± 2 % RH (10 % RH to 90 % RH)
Air velocity	50.0 fpm to 3000 fpm 0.25 m/sec to 15 m/sec	1 fpm (0.005m/sec)	± 4 % or 4 fpm* ± 4 % or 0.02 m/sec* whichever is greater *Accuracy specification only valid for velocity readings above 50 fpm.
CO <sub>2</sub>	0 to 5000 ppm	1 ppm	Warm up time 1 min (5 minutes for full specification) 2.75 % + 75 ppm
CO	0 to 500 ppm	1 ppm	± 5 % or ± 3 ppm, whichever is greater, @ 20 °C and 50 % RH

## Also available:

**Fluke-975CK AirMeter Calibration Kit** includes the gases and tools necessary to keep your Fluke 975 AirMeter calibrated.



**Fluke-975VP AirMeter Velocity Probe** for use with Fluke 975 AirMeter.



See page 25 for information on the 902 True-rms HVAC Clamp Meter.

## Fluke 922 Airflow Meter/Micromanometer

Analyze airflow. Easily.

Make airflow measurements easy by combining differential pressure, air flow, and velocity into a single, rugged meter. Used with any pitot tube, the Fluke 922 is the perfect entry point for technicians measuring air flow for the first time, yet powerful enough for advanced users.

- Measures differential and static pressure, air velocity and flow readings
- User-defined duct shape and size for maximum airflow accuracy
- Bright, backlit display
- Min/Max/Average/Hold functions
- Auto power off

Features	Range	Accuracy
Air Pressure	± 4000 Pascals ± 16 in H <sub>2</sub> O ± 400 mm H <sub>2</sub> O ± 40 mbar ± 0.6 PSI	± 1 % + 1 Pascal ± 1 % + 0.01 in H <sub>2</sub> O ± 1 % + 0.01 mm H <sub>2</sub> O ± 1 % + 0.01 mbar ± 1 % + 0.0001 PSI
Air Velocity	250 to 16,000 fpm (1 to 80 m/s)	± 2.5 % of reading at 2000 fpm (10.00 m/s)
Air Flow (Volume)	0 to 99,999 cfm 0 to 99,999 m <sup>3</sup> /hr 0 to 99,999 l/s	Accuracy is a function of velocity and duct size
Temperature	0 °C to 50 °C (32 °F to 122 °F)	0.1 °C (0.1 °F)
Data Storage	99 readings	
Warranty	Two-years	
Power	Four AA batteries	



## Included accessories

**Fluke 975:** AA alkaline batteries (3), users manual (with safety information), calibration cap, hard carrying case, FlukeView® Forms software, power adapter, international power plugs, air velocity probe (Fluke 975V only).

**Fluke 922:** Two rubber hoses, four AA alkaline batteries 1.5 V, users manual, soft carrying case.

**Fluke 922 Kit:** 12 inch pitot tube, two rubber hoses, ToolPak Magnetic Meter Hanging Kit, four AA alkaline batteries 1.5 V, users manual, hard carrying case.

## Ordering information

FLUKE-975 AirMeter™  
FLUKE-975V AirMeter™ with Velocity  
FLUKE-922 Airflow Meter  
FLUKE-922/Kit Airflow Meter Kit

W 59-07-0975

W 59-07-1975

W 59-07-0922

Indoor Air Quality

For more information, go to [www.fluke.com/IAQ](http://www.fluke.com/IAQ)



# Indoor Air Quality Tools

Easy-to-use tools to help you maintain good IAQ



## Fluke 971 Temperature Humidity Meter

Temperature and humidity are two important factors in maintaining optimal comfort levels and good indoor air quality. Quickly and conveniently take accurate humidity and temperature readings with the Fluke 971. The Fluke 971 is invaluable for facility maintenance and utility technicians, HVAC-service contractors, and specialists who assess indoor air quality (IAQ). Lightweight and easy to hold, the Fluke 971 is the perfect tool for monitoring problem areas. With a rugged holster and twist-open protective sensor cover, the Fluke 971 is built to perform and made to last.

### Features:

- Backlit dual display of humidity and temperature.
- Measures dew point and wet bulb temperatures.
- 99 record storage capacity.
- Ergonomic design with belt clip and protective holster.
- Quick-response capacitance sensor with twist-open protective cover.
- Compact and lightweight at 188 g (6.6 oz).
- Temperature range from -20 °C to 60 °C [-4 °F to 140 °F].
- Relative humidity from 5 % to 95 %.
- Min/Max/Avg Data hold.
- Low battery indicator.
- One-year warranty.

## Fluke 983 Particle Counter

The Fluke 983 Particle Counter measures and displays six channels of particle size distribution. The Fluke 983 holds 5000 logged samples including date, time, counts, sample volume, temperature and relative humidity. Data is easily downloaded using the included windows compatible utility software. The Fluke 983 is invaluable for IAQ investigations, allowing you to determine size distribution of airborne particles or track down a particle source.

### Features:

- Compact and easy to operate.
- Graphic liquid crystal display with backlight.
- Simple connection to computer or printer.
- Selectable sample time, count data and programmable delay.
- Set sample size to cubic feet or liters, set temperature measurements to °C or °F.
- Data displayed in totalize or concentration modes.
- Automatic turn-off when battery voltage drops below safe operating level.
- Meets JISB9921:1997 and CE standards.
- Battery or ac operation with internal rechargeable battery.
- Protective holster.
- Rugged, hard shell carrying case.
- One-year warranty.



## Fluke RLD1 Leak Detector

The compact, easy-to-use, RLD1 UV flashlight uncovers refrigerant leaks instantly. The green LED indicates when the leak detector is "on", by highlighting the leak detection dye. With 100,000 hours of life, this handy leak detector is a must have for HVAC Technicians.

- UV LED (375 nm wavelength) detects leak detection dyes.
- Easy to use with press and hold power control.
- Green LED indicates UV light "on".
- Operating temperature 0 °C to 50 °C.
- Convenient key chain and AAA battery included.

## CO-220 Carbon Monoxide Meter

- Stand-alone CO meter that does not require a digital multimeter.
- Large backlit LCD displays CO levels from 0 to 1000 ppm.
- Beeper triggers with increasing frequency as CO levels rise.
- MAX hold function stores and displays the maximum CO level.
- Automatic sensor zeroing and self-test upon startup.



## CO-205 Aspirator Kit

The CO-205 flue gas sampling accessory kit includes:

- Stainless steel sampling tube.
- Aspirator to draw flue sample.
- Replaceable particulate filter.
- Nose cap for connection to the Fluke CO-210/CO-220.



### Included accessories

**Fluke 971:** Users manual, four AAA alkaline batteries.

**Fluke 983:** Certificate of Calibration (NIST), Windows compatible software download utility, DB9 to RS-232 adapter and cable, isokinetic probe, high purity tubing, 1/8 inch hose barb adapter, power supply, users manual, zero count filter, protective holster and hard molded plastic case.

### Ordering information

FLUKE-971	Temperature Humidity Meter
W 59-07-0971	
FLUKE-983	Particle Counter
FLUKE-983TPK 220	Thermal Printer Kit, 220 V
FLUKE-983TPK 120	Thermal Printer Kit, 120 V
FLUKE-CO-205	Aspirator Kit
W 59-15-0205	
FLUKE-CO-220	Carbon Monoxide Meter
W 59-07-0220	

For more information, go to [www.fluke.com/IAQ](http://www.fluke.com/IAQ)

Indoor Air Quality



# Fluke ScopeMeter® Test Tools

FLUKE®

**Handheld oscilloscopes for professionals  
with challenging troubleshooting situations**



The ScopeMeter 192, 196 and 199 high-performance oscilloscopes have bandwidth of 60, 100 and 200 MHz and sample rates up to 2.5 GS/s. The C models add a high-resolution color display that has a fast update rate, waveform pass/fail testing and a digital persistence mode—making the analysis of complex and dynamic signals that much easier.

For industrial, electronic or electro mechanical applications, the 123, 124 and 125 Industrial ScopeMeters feature 20 MHz or 40 MHz bandwidth, Connect-and-View™ software for quick measurements and a dual DMM and paperless recorder to get virtually any job done.

## Specifications – ScopeMeter® Test Tools

	W 59-27-2199	W 59-27-2196	W 59-27-0199	W 59-27-0196	W 59-27-0192	W 59-27-0125	W 59-07-0124	W 59-27-0123
	Fluke 199C	Fluke 196C	Fluke 199B	Fluke 196B	Fluke 192B	Fluke 125	Fluke 124	Fluke 123
Bandwidth	200 MHz	100 MHz	200 MHz	100 MHz	60 MHz	40 MHz		20 MHz
Max real time sample rate	2.5 GS/s	1.0 GS/s	2.5 GS/s	1.0 GS/s	0.5 GS/s	25 MS/s		25 MS/s
Max record length (per input)	3000 points					512 points (min/max pairs)		
Number of Inputs	2 Scope and 1 DMM (Isolated)					2 Scope Or DMM		
Input sensitivity	2 mV/div to 100 V/div		5 mV/div to 100 V/div			5 mV/div to 500 V/div		
Independently isolated floating inputs	•							
Display and display modes								
Display	Color		Monochrome			Monochrome		
Persistence	Digital with variable decay		On/Off					
Envelope mode			•			•		
Waveform compare			•					
FFT	•							
Pass/fail testing	•							
Triggering								
Connect-and-View™ trigger			•			•		
Edge, single, free run			•			•		
Video			•			•		
Video lines			•			•		
Pulse width			•					
External			•			With ITP 120 Option		
Advanced functions								
Cursors			•			Cursors and power measurements	•	
Zoom			•					
Dual input Trendplot™			•			•		
ScopeRecord™ mode			•					
Automatic capture and replay last 100 screens			•					
Waveform mathematics			•			Harmonics mode		
Save setups and screens			10			20		10
True-rms multimeter	5000 counts, volts, amps, ohms, continuity, diode, temp							
Safety, power and warranty								
Safety (EN61010-1)	CAT II 1000 V/CAT III 600 V					CAT III 600 V <sup>1</sup>		
Battery	4-hour Ni-MH					7-hour NiMH		7-hour NiMH
Line power	Adapter/battery charger included							
PC printer interface	Yes, using optional optically isolated cable							
Warranty	Three-year on main instrument/one-year on standard accessories							

<sup>1</sup>Max input voltage CAT II 1000 V with VP540, 40 MHz 10:1 voltage probe.

## Recommended accessories – ScopeMeter Test Tools

Model	Description	192, 196, 199	123, 124, 125
W 59-12-0120	SCC 120 Software, cable and carrying case package		•
W 59-12-0190	SCC 190 Software, cable and carrying case package	•	
W 59-15-0125	C125 Compact soft case		•
W 59-12-9195	C195 Universal soft carrying case	•	
W 59-12-0091	PAC91 Optical to parallel printer adapter cable	•	•

**Connect  
and  
View™**

ScopeMeter Test Tools

For more information, go to [www.fluke.com/scopemeter](http://www.fluke.com/scopemeter)



# Fluke ScopeMeter® Test Tool accessories

FLUKE®

Measurements made easier

## Cable and adapters

### PAC91

- Printer adapter cable 0.25 m
- Safety designed optical to parallel printer adapter cable
- See instrument manual for compatible printers



W 59-12-0091

### OC4USB

- Optically-isolated serial to USB adapter



W 59-12-2166

### PM9081

- Dual banana plug 4 mm male to female BNC adapter
- The set consists of two adapters



W 59-12-9081

### PM9082

- Dual banana jack 4 mm female to male BNC adapter
- The set consists of two adapters



W 59-12-9082

### PM9091

- 50 ohm coaxial BNC cable set, 3 m x 1.5 m
- Three colored BNC male connectors (red, gray and black) for easy identification



### PM9092

- 50 ohm coaxial BNC cable set, 3 m x 0.5 m
- Three colored BNC male connectors (red, gray and black) for easy identification



### PM9093

- Male BNC to dual female BNC T-piece
- Set consists of two adapters



### BB120

- Two shielded banana-to-BNC adapters
- Adapting probes and BNC adapters to 123 and 124 ScopeMeter test tools



W 59-15-1120

## Trigger and differential probes

### DP120 Differential Probe

- 1.5 m with shrouded banana probe tips (red and black)
- CAT III 600 V/CAT II 1000 V rated



W 59-12-1201

### ITP120 Optically Isolated Trigger Probes

- 1.2 m, for ScopeMeter 123
- Included hookclip with ground lead
- Max. signal voltage and voltage to ground: CAT II 600 V rms



W 59-12-1200

## Software, carrying cases and kits

W 59-12-0120

### SCC120 Software Cable Case for 123, 124, 125

W 59-12-0190

### SCC190 Software Cable Case for 192, 196, 199

Accessories package, including:

- FlukeView® ScopeMeter® Software for Windows English, French and German languages
- OC4USB Optically Isolated RS-232 Adapter/Cable
- Hard carrying case C120 or C190



### C120 Hard Carrying Case for 123, 124, 125

W 59-12-9100

### C190 Hard Carrying Case for 192, 196, 199

- Storage compartments for test leads, probes, instruction manual, power adapter and other small accessories

### C195 Soft Carrying Case Universal

- Durable soft case. Adjustable storage compartments suitable for all ScopeMeter models. Storage compartments for test leads, probes, instruction manual, power adapter and other accessories



W 59-12-9195

### C125 Compact Soft Case for 123, 124, 125

- Zippered carrying case (black) for 123, 124
- Pouch is designed to carry test leads and probes
- Convenient belt loop accommodates tool belt



W 59-15-0125

For more information, go to [www.fluke.com/scopemeter](http://www.fluke.com/scopemeter)

ScopeMeter Test Tools





## FLUKE®

[illegible]

For more information, go to [www.fluke.com/accessories](http://www.fluke.com/accessories)



# Fluke accessory sets and kits

FLUKE®

Combines our most popular accessories into convenient money saving packages



W 59-15-2890

## New! TLK289 Industrial Master Test Lead Set

- Designed for electrical and electronics test in today's industrial environment
- Includes:
  - SureGrip™ alligator clips, grabbers, hook clips and industrial test probes for dependable contact with a variety of test points
  - Magnetic hanger for convenient suspension of your DMM from a metal surface
  - Temperature adapter with K-Type thermocouple for direct temperature measurement with your DMM's temperature measurement functions
  - Protective soft case for your DMM and all its accessories



## New! TLK287 Electronics Master Test Lead Set

- The perfect test lead kit for today's electronics test and design
- Includes:
  - Precision electronic probes with multiple spring-loaded sharp tips to maximize contact with SMD test points
  - Micro-grabbers and leads to enable fine SMD test
  - Mini-alligator clips, grabbers, and probes for virtually every electronics need
  - Both modular test leads and lead-probe combinations. Even couplers for long lead applications



W 59-15-2220

## TLK-220 SureGrip™ Accessory Kit with Meter Carry Case

- AC220 Plunger Style Alligator Clips
- AC285 Large Jaw Alligator Clips
- TP220 Sharp Test Probes
- TL224 Right to Straight Test Leads
- Zippered vinyl carry case with moveable divider
- Holds large DMMs

W 59-15-2225

## TLK-225 SureGrip™ Master Accessory Kit

- AC220 Plunger Style Alligator Clips
- AC280 Plunger Style Hook Clips
- AC283 Plunger Style Pincer Clips
- AC285 Large Jaw Alligator Clips
- TP220 Sharp Test Probes
- TL224 Right to Straight Test Leads
- 6-pocket storage pouch, keeps the entire set together



## T5 Tester Starter Kit

Getting started kit for electricians who already own a Fluke T5 Tester.

- TP220 Test Probes
- AC285 Large Jaw Alligator Clips
- C33 Zippered Soft Case



W 59-13-0238

## TL238 SureGrip™ Test Lead Set for high energy environments

- Insulated tip probes help lessen risk of arc flash explosion
- Probe extenders keep hands away from live current
- Includes one pair each, insulated test tip probes, probe extenders and TL224 Test Leads
- Probes and leads CAT III 1000 V, CAT IV 600 V, 10 A, extenders CAT III 1000 V 10 A



W 59-15-1220

## TL220 Industrial Test Lead Set

- Starter kit for industrial applications
- TP220 has round, stainless steel tip
- Includes 1 pair: AC220, TP220, TL222
- CAT III 1000 V, CAT IV 600 V, 10 A



W 59-15-0223

## TL223 Electrical Test Lead Set

- Starter kit for electrical applications
- TP1 has flat blades for wall sockets
- Includes 1 pair: AC220, TP1, TL224
- CAT III 1000 V, CAT IV 600 V, 10 A

For more information, go to [www.fluke.com/accessories](http://www.fluke.com/accessories)

Accessories



Utilities



Residential



Industrial



Commercial



Electrical



HVAC/IAQ



Process



Electronic



# Fluke SureGrip™ accessories

FLUKE®

**A complete set of probes, leads and clips**

## Modular test leads and test probes (use test probes with test leads)



W 59-15-1221

### TL221 SureGrip™ Silicone Test Lead Extension Kit

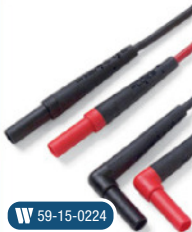
- Superior strain relief
- Includes two adapters to extend leads 1.5 m
- CAT III 1000 V, 10 A, CAT IV 600 V, 10 A



W 59-15-0222

### TL222 SureGrip™ Silicone Insulated Test Leads

- Recommended for use with AC220, AC280, AC283 test clips
- Superior strain relief
- CAT III 1000 V, 10 A, CAT IV 600 V, 10 A



W 59-15-0224

### TL224 SureGrip™ Silicone Insulated Test Leads

- 1.5 m silicone-insulated wire resists heat and cold
- Superior strain relief
- CAT III 1000 V, 10 A, CAT IV 600 V, 10 A



W 59-15-0224

### TL27 Heavy Duty Test Leads

- Rugged EPDM insulation
- 1.5 m long with shrouded, straight connectors and excellent strain reliefs on each end
- CAT III 1000 V, 10 A, CAT IV 600 V, 10 A



W 59-15-2001

W 59-15-2002

W 59-15-2004

### TP1, TP2, TP4 and TP38 Slim Reach™ Test Probes

- Slender probe bodies for probing closely spaced or recessed points
- TP1 has a flat blade
- TP2 has 2 mm diameter tip
- TP4 has 4 mm diameter tip
- TP38 has stainless steel insulated probe to help lessen the risk of arc flash explosion
- CAT III 1000 V, 10 A, CAT IV 600 V, 10 A



W 59-15-0221

### TP220 SureGrip™ Industrial Test Probes

- Sharp, 1/2 in. stainless steel tip provides reliable contact
- Flexible finger barrier improves grip
- CAT III 1000 V, 10 A, CAT IV 600 V, 10 A

## Push-on clips



W 59-15-0072

### AC72 Alligator Clips

- Slide-on style for test probes
- Jaws open to 8 mm
- For use with TL71 and TL75 test lead and probe sets
- CAT III 1000 V, 10 A, CAT IV 600 V, 10 A

## Modular clips (for use with test leads)



W 59-15-0220

### AC220 SureGrip™ Alligator Clips

- Insulated, nickel plated jaws grip objects up to 3/8 in.
- Blunt tip grabs round screw heads
- CAT III 1000 V, CAT IV 600 V, 10 A



W 59-15-0280

### AC280 SureGrip™ Hook Clips

- Profile narrows to .22 in. at tip
- Hook opening .20 in. at front, .08 in. at base
- CAT III 1000 V, CAT IV 600 V, 3 A



W 59-15-0283

### AC283 SureGrip™ Pincer Clips

- 4.5 in. flexible, insulated shaft
- Nickel plated pincers open to .20 in.
- CAT III 1000 V, CAT IV 600 V, 1 A



W 59-15-0285

### AC285 SureGrip™ Alligator Clips

- Multi-purpose tooth pattern grips anything from fine gauge wire to a 3/4 in. nut
- Nickel-plated steel jaws
- CAT III 1000 V, CAT IV 600 V, 10 A



W 59-15-0089

### AC89 Heavy Duty Insulation Piercing Clip

- Plunger style, safety grip operation with insulated jaws
- Small pin pierces 30 to 14 AWG insulated wire
- CAT III 1000 V, 5 A, CAT IV 600 V, 5 A



### AC87 Heavy Duty Bus Bar Clip Set

- One pair (red, black) of flat, right angle design for connecting to bus bars
- Adjustable collar provides two ranges of jaw openings up to 30 mm
- CAT III 1000 V, 5 A rating



SureGrip accessories provide a reliable grip in slippery hands. Rubber-overmolded surfaces and finger-hugging curves give the user a comfortable, steady hold on the accessory so they can focus on making an accurate measurement.

## Test lead and probe in one



W 59-15-1071

### TL71 Premium DMM Test Lead Set

- Flexible silicone insulated leads are heat and cold resistant
- Distinctive comfort grip probes
- Recommended for  $\mu$ V measurements
- CAT III 1000 V, 10 A, CAT IV 600 V, 10 A



W 59-15-0288

### TL28A Heavy Duty Test Lead Set

- Large, solid copper alligator clips with 0.5 in. opening
- Flexible silicone insulated lead are heat and cold resistant
- CAT I 30 V, 10 A



W 59-15-1076

### TL76 2 mm/4 mm Test Lead Set

- 2 mm threaded probes with removable 4 mm banana-style spring contacts
- Flexible 1.5 m silicone leads
- CAT III 1000 V, CAT IV 600 V, 10 A



W 59-15-1075

### TL75 Hard Point Test Lead Set

- Extremely hard alloy tips resist wear
- Distinctive comfort grip probes
- CAT III 1000 V, 10 A, CAT IV 600 V, 10 A
- 1.5 m PVC leads

Accessories

For more information, go to [www.fluke.com/accessories](http://www.fluke.com/accessories)



# Fluke test leads, probes and clips

FLUKE®

Test leads for all your measurement needs

## For electronic applications



### TL80A Basic Electronic Test Lead Set

- 6 piece set with zippered case
- Probes, alligator clips and tip extenders for electronic applications
- CAT II 300 V

W 59-15-1080



### TL910 Electronic Test Probes with Replacement Tips

- Small profile provides accessibility
- Comes with 5 sets of replaceable tips
- Replacement tips: TP912
- CAT III 1000 V, 3 A

W 59-15-0910



### TP80 Electronic Test Probes

- Tapered tip ideal for probing electronic components or boards
- Removable guard for IC probing
- CAT III 1000 V, 10 A

W 59-15-2080



### TP920 Test Probe Adapter Kit

- IC test tip adapters, extended tips, medium alligator clips fit over TL71 and TL75 test lead sets
- IC test tip Adapter, 3 A
- Extended probe tip, 3 A
- Med. alligator clip, 5 A
- CAT II 300 V

W 59-15-0920



### TL40 Retractable Probe Assembly

- Retractable, insulated sharp probe tip
- CAT III 300 V, 3 A



### TL26A Telecom Test Lead Set

- 5-way multipoint test clips for telecommunications applications
- Flexible silicone insulated leads are heat and cold resistant
- CAT I 30 V, 8 A

## For automotive applications



### TP81, TP82 and TP84

New piercing probes for automotive applications. Control the depth as you pierce insulation.

- Stainless steel probe pierces insulation on 14, 16 and 18 gauge wire
- Design provides complete insulation while working on fuel injectors or sensors
- TP81 for use with modular test leads (Fluke TL224)
- TP82 slips over probe tips (Fluke TL71)
- TP84 is 12 inches long to reach farther into engine compartments.
- Rated to 60 V dc

### TP88 Rigid Backprobe Pin Set

- 2 inch long pins pass between the weather pack seal and wire
- Use with Fluke TL71 or TL75 test lead sets
- Rated to 60 V dc

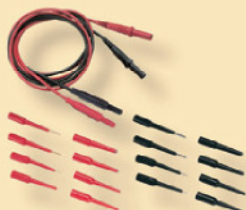


### TLK281 Automotive Test Lead Kit

- TP81 Insulation Piercing Probes
- TL224 Suregrip Silicone Test Leads
- TP220 Suregrip Test Probes
- AC220 Suregrip Plunger Style Alligator Clips
- AC285 Suregrip Alligator Clips
- Handy Fluke carrying case
- TP81 rated to 60 V dc; all others rated to CAT III 1000 V, CAT IV 600 V

### TP40 Automotive Back Probe Pin Set

- Set of five 1.5 inch pins Rated to 60 V dc
- Provide an easy connection past weather pack seals to connector conductors
- Use with Fluke TL71 or TL75 test lead sets



### TL82 Automotive Pin & Socket Adapter Set

- Collection of male and female adapters allows you to make firm connection to pin and socket connectors
- Adapters with flexible tips come in the following sizes: 22, 20, 16 and 12
- Rated to 60 V dc



### TLK282 Deluxe Automotive Test Lead Kit

- TP81 Insulation Piercing Probes
- Set of five TP40 Automotive Back Probe Pins
- TL224 Suregrip Silicone Test Leads
- TP220 Suregrip Test Probes
- AC220 Suregrip Plunger Style Alligator Clips
- AC285 Suregrip Alligator Clips
- C280 Suregrip Hook Clips
- Handy Fluke carrying case
- TP81 and TP40 rated to 60 V dc; all others rated to CAT III 1000 V, CAT IV 600 V

## High-voltage probes

### 80K-6, 80K-15, 80K-40 High Voltage Probes

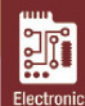
- Allows a digital multimeter to measure up to 6,000 volts peak, 15,000 volts peak and 40,000 volts peak respectively
- 1000:1 division ratio output when connected to 10 MΩ multimeter
- Ground clip included
- Intended for low energy applications that are referenced to ground
- 80K-15 (not available in Europe)

80K-6: W 59-15-0806

80K-40: W 59-15-0840

For more information, go to [www.fluke.com/accessories](http://www.fluke.com/accessories)

Accessories





# Fluke current clamps

For use with DMMs, ScopeMeters and power quality analyzers

## AC current clamp specifications

	W 59-15-0200	W 59-15-0202	W 59-15-0400	W 59-15-0402	W 59-15-0800	W 59-15-8100	W 59-15-3000	W 59-15-2000	W 59-15-0910
AC current range	1 A to 200 A	1 A to 200 A	1 A to 400 A	0.5 A to 400 A	1 A to 600 A	0.2 A to 1000 A	1 A to 3000 A	2 A to 2000 A	3 A to 3000 A
Accuracy	≤ 3% +0.5 A/48 to 65 Hz	≤ 1% +0.5 A/48 to 65 Hz	2% +0.06 A/45 to 400 Hz	± 0.5 A to 40 A, 2% +0.015 A, 5 A to 400 A, 2% +0.04 A, 45 to 400 Hz	± 2% of rdg., 50 Hz to 1 kHz ± 3% of rdg., (typical) 30 Hz to 50 Hz and 1 kHz to 10 kHz	0.2 to 10 A: 3% +0.1 A 10 A to 100 A: 2% +0.5 A 100 A to 1000 A: 1% +1 A 48 to 65 Hz	1 to 30 A: 2% +0.1 A 1 to 300 A: 2% +0.5 A 1 to 3000 A: 2% +2 A 48 to 65 Hz	± 1% of range 45 to 65 Hz Ranges: 20 A, 200 A, 2000 A	± 1% of range, 45 Hz to 65 Hz Ranges: 30 A, 300 A, 3000 A
Bandwidth (-3 dB)	40 Hz to 40 kHz	40 Hz to 40 kHz	5 kHz to 20 kHz	5 Hz to 10 kHz	10 Hz to 50 kHz	5 Hz to 100 kHz	10 Hz to 100 kHz	10 Hz to 20 kHz	10 Hz to 50 kHz
Maximum conductor diameter	20 mm (0.8 in)	20 mm (0.8 in)	32 mm (1.25 in)	32 mm (1.25 in)	50 mm (1.98 in)	54 mm (2.13 in)	64 x 100 mm (2.52 x 3.94 in)	177 mm (7 in)	177 mm (7 in) or 265 mm (10.4 in)
Maximum conductor size	300 MCM	300 MCM	750 MCM	750 MCM	2-500 MCM or 1-1000 MCM	2-500 MCM or 1-1000 MCM	64 mm (2.52 in)	610 mm (24 in) circumference	610 mm or 915 mm circumference
Output levels	1 mV/A	10 mV/A 100 mV/A	1 mV/A	10 mV/A 1 mV/A	1 mV/A 10 mV/A	1 mV/A 10 mV/A 100 mV/A	10 mV/A 10 mV/A 0.1 mV/A	100 mV/A 10 mV/A 1 mV/A	100 mV/A 10 mV/A 1 mV/A
Output cable	1.5 m shielded banana plugs	2 m to BNC termination	1.5 m shielded banana plugs	2.5 m to BNC termination	1.2 m shielded banana plugs	1.6 m to BNC termination	2.1 m to BNC termination	2 m with double shielded banana plugs	2.1 m to BNC termination
Warranty	One-year	One-year	One-year	One-year	One-year	One-year	One-year	One-year	One-year
Safety rating	CAT III 600 V	CAT III 600 V	CAT III 1000 V CAT IV 600 V	CAT III 1000 V CAT IV 600 V	CAT III 600 V	CAT III 600 V	CAT III 600 V	CAT III 600 V	CAT III 600 V

## AC clamp-on current probe compatibility

Meter	I200	I200s	I400	I400s	801-600A	I1000s	I3000s	I2000 FLEX <sup>1</sup>	I3000s FLEX
10/11/12/12B/16/18		1 A to 200 A		1 A to 400 A*		0.2 A to 1000 A*	1 A to 3000 A	2 A to 2000 A	3 A to 3000 A
110/111/112		3 A to 200 A		30 A to 400 A*		3 A to 1000 A*	30 A to 3000 A	3 A to 2000 A	3 A to 3000 A
114/115		1 A to 200 A		0.6 A to 400 A*		0.2 A to 1000 A*	1 A to 3000 A	2 A to 2000 A	3 A to 3000 A
115/117	60 A to 200 A	1 A to 200 A	60 A to 400 A	0.6 A to 400 A*	60 A to 600 A	0.2 A to 1000 A*	1 A to 3000 A	2 A to 2000 A	3 A to 3000 A
21/23/73/75/77 Series III	1 A to 200 A	1 A to 200 A	1 A to 400 A	1 A to 400 A*	1 A to 600 A	0.2 A to 1000 A*	1 A to 3000 A	2 A to 2000 A	3 A to 3000 A
26/79 Series III	1 A to 40 A	1 A to 200 A	1 A to 40 A & 200 A to 400 A	2 A to 400 A*	1 A to 40 A & 200 A to 400 A	0.2 A to 1000 A*	2 A to 3000 A	2 A to 2000 A	3 A to 3000 A
27	1 A to 200 A	1 A to 200 A	1 A to 400 A	1 A to 400 A*	1 A to 600 A	0.2 A to 1000 A*	1 A to 3000 A	2 A to 2000 A	3 A to 3000 A
70 Series III		1 A to 200 A		1 A to 400 A*		0.2 A to 1000 A*	1 A to 3000 A	2 A to 2000 A	3 A to 3000 A
175/177/179	3 A to 200 A	1 A to 200 A	3 A to 400 A	1 A to 400 A*	3 A to 600 A	0.3 A to 1000 A*	3 A to 3000 A	2 A to 2000 A	3 A to 3000 A
1577/1587 Insulation Meter	3 A to 200 A	1 A to 200 A	3 A to 400 A	3 A to 400 A*	3 A to 400 A	0.3 A to 1000 A*	3 A to 3000 A	2 A to 2000 A	3 A to 3000 A
8311/83V/88V	2 A to 200 A	1 A to 200 A	2 A to 400 A	1 A to 400 A*	2 A to 600 A	0.2 A to 1000 A*	1 A to 3000 A	2 A to 2000 A	3 A to 3000 A
85/87 Series III 87 Series V	2 A to 200 A	1 A to 200 A	2 A to 400 A	2 A to 400 A*	2 A to 600 A	0.2 A to 1000 A*	2 A to 3000 A	2 A to 2000 A	3 A to 3000 A
87/89 Series IV 187/189	2.5 A to 200 A	1 A to 200 A	2.5 A to 400 A	0.5 A to 400 A*	2.5 A to 600 A	0.2 A to 1000 A*	1 A to 3000 A	2 A to 2000 A	3 A to 3000 A
287/289	1 A to 200 A	1 A to 200 A	1 A to 400 A	0.5 A to 400 A*	1 A to 600 A	0.2 A to 1000 A*	1 A to 3000 A	2 A to 2000 A	3 A to 3000 A
8060A/8062A DMMs	2 A to 200 A	1 A to 200 A	2 A to 400 A	2 A to 400 A*	2 A to 600 A	0.2 A to 1000 A*	2 A to 3000 A	2 A to 2000 A	3 A to 3000 A
860 Series Graphical Multimeters	1 A to 200 A	1 A to 200 A	1 A to 400 A	3 A to 400 A*	1 A to 600 A	0.3 A to 1000 A*	3 A to 3000 A	2 A to 2000 A	3 A to 3000 A
39/41B Power Meter		1 A to 200 A <sup>2</sup>		1 A to 400 A <sup>2</sup>		0.2 A to 1000 A <sup>2</sup>	1 A to 3000 A <sup>2</sup>	2 A to 2000 A <sup>2</sup>	3 A to 3000 A <sup>2</sup>
43B Power Quality Analyzer		1 A to 200 A		0.5 A to 400 A		0.2 A to 1000 A	1 A to 3000 A	2 A to 2000 A	3 A to 3000 A
434/435 Power Quality Analyzer		1 A to 200 A		1.2 A to 400 A		0.3 A to 1000 A	1.2 A to 3000 A	Best to use i430Flex	Best to use i430Flex
9X ScopeMeter Series		1 A to 200 A		1 A to 400 A		0.2 A to 1000 A	1 A to 3000 A	2 A to 2000 A	3 A to 3000 A
120 Series ScopeMeters		1 A to 200 A		2.5 A to 400 A		0.25 A to 1000 A	2.5 A to 3000 A	2 A to 2000 A	3 A to 3000 A
190 Series Scopemeters		1 A to 200 A		1 A to 400 A		0.2 A to 1000 A	1 A to 3000 A	2 A to 2000 A	3 A to 3000 A
45 DMM	1.5 A to 100 A	1 A to 200 A	1.5 A to 100 A	1.5 A to 400 A*	1.5 A to 100 A & 500 A to 600 A	0.15 A to 1000 A*	1.5 A to 3000 A	2 A to 2000 A	3 A to 3000 A
8808A	1 A to 200 A	1 A to 200 A	1 A to 400 A	0.5 A to 400 A*	1 A to 600 A	0.2 A to 1000 A*	1 A to 3000 A	2 A to 2000 A	3 A to 3000 A
8845A/8846A	1 A to 200 A	1 A to 200 A	1 A to 400 A	1 A to 400 A*	1 A to 600 A	0.2 A to 1000 A*	1 A to 3000 A	2 A to 2000 A	3 A to 3000 A
74X Series Process Calibrators		1.1 A to 200 A		11 A to 400 A*		1.1 A to 1000 A*	11 A to 3000 A	2 A to 2000 A	3 A to 3000 A
787/789 Process Meters	50 A to 200 A	1 A to 200 A	50 A to 400 A	2 A to 400 A*	50 A to 440 A	0.2 A to 1000 A*	2 A to 3000 A	2 A to 2000 A	3 A to 3000 A

\* Requires PM9081/001 Adapters.

<sup>1</sup> Three range version.

<sup>2</sup> Current and watt readings will be multiples of 10 higher or lower than actual on some ranges.

## AC only models



i200s



i400s



i800



i1000s



i2000 flex



i3000s flex



i310s



i6000s

- 6 A to 6000 A
- Compatible with most products except 434/435

## Accessories

For more information, go to [www.fluke.com/accessories](http://www.fluke.com/accessories)



# Fluke current clamps

For use with DMMs, ScopeMeters and Power Quality Analyzers

## AC/DC current clamp specifications

	W 59-15-8110	W 59-15-0410	W 59-15-1010	W 59-15-00030		
DC range	0.1 A to 100 A	1 to 400 A	1 to 1000 A	30 mA to 30 A	30 mA to 30 A	0.1 A to 450 A
AC range	0.1 A to 70 A	1 A to 400 A	1 A to 600 A	30 mA to 20 A rms	30 mA to 20 A rms	0.1 A to 300 A
Accuracy	0.1 A to 10 A; dc to 1 kHz: $\pm 3\%$ + 50 mA; up to 100 A add 15%; up to 20 kHz add 12%	3.5% + 0.5 A for dc or ac (45 to 400 Hz)	2% + 0.5 A for dc or ac (45 to 400 Hz)	$\pm 1\%$ of reading, $\pm 2$ mA	$\pm 1\%$ of reading, $\pm 2$ mA	30 A range: 1% + 50 mA 300 A range: 1% + 300 mA
Bandwidth (-3 dB)	100 kHz	3 kHz	10 kHz	dc to 20 kHz (-0.5 dB)	dc to 100 kHz (-0.5 dB)	DC to 20 kHz
Zero error adjustment	Yes	Yes	Yes	Yes	Yes	Yes
Maximum conductor diameter	11.8 mm (0.46 in)	30 mm (1.18 in)	30 mm (1.18 in)	19 mm (0.75 in)	19 mm (0.75 in)	19 mm (0.75 in)
Maximum conductor size	1 AWG	750 MCM or 2-500 MCM	750 MCM or 2-500 MCM	250 MCM	250 MCM	250 MCM
Output levels	10 mV/A, 100 mV/A	1 mV/A	1 mV/A	100 mV/A	100 mV/A	10 mV/A, 100 mV/A
Output cable	1.6 meter with BNC termination	1.2 meter with shrouded banana plugs	1.2 meter with shrouded banana plugs	1.5 meter with shrouded dual banana plug	2 meter with BNC termination	2 meters with BNC termination and a BNC to safety shrouded banana adapter
Battery life	40 hours	60 hours	60 hours	30 hours	30 hours	30 hours
Warranty	One-year	One-year	One-year	One-year	One-year	One-year
Safety	CAT II 600 V; CAT III 300 V	CAT III 600 V	CAT III 600 V	CAT III 300 V	CAT III 300 V	CAT III 300 V

## AC/DC clamp-on current probe compatibility

Meter	80I-110s	i410	i1010	i30	i30s	i310s
10/11/12/16/18	0.1 A to 100 A dc/ 0.1 A to 70 A ac*	5 A to 400 A dc/ 7 A to 400 A ac	5 A to 1000 A dc/ 7 A to 600 A ac	40 mA to 30 A dc/ 60 mA to 20 A ac	40 mA to 30 A dc/ 60 mA to 20 A ac	0.4 A to 450 A dc/ 0.6 A to 300 A ac
110/111/112	0.1 A to 100 A dc/ 3 A to 70 A ac*	5 A to 400 A dc/ 300 A to 400 A ac	5 A to 1000 A dc/ 300 A to 600 A ac	40 mA to 30 A dc/ 3 A to 20 A ac	40 mA to 30 A dc/ 3 A to 20 A ac	0.4 A to 450 A dc/ 30 A to 300 A ac
114/115/116/117	0.1 A to 100 A dc/ 0.1 A to 70 A ac*	1.4 A to 400 A dc/ 6 A to 400 A ac	1.4 A to 1000 A dc/ 6 A to 600 A ac	30 mA to 30 A dc/ 60 mA to 20 A ac	30 mA to 30 A dc/ 60 mA to 20 A ac	0.1 A to 450 A dc/ 0.6 A to 300 A ac
21/23/70/73/75/77 Series III	0.1 A to 100 A dc/ 0.1 A to 70 A ac*	1 A to 400 A dc/ 5 A to 400 A ac	1 A to 1000 A dc/ 5 A to 600 A ac	30 mA to 30 A dc/ 40 mA to 20 A ac	30 mA to 30 A dc/ 40 mA to 20 A ac	0.1 A to 450 A dc/ 0.4 A to 300 A ac
26/79 Series III	0.1 A to 100 A dc/ 0.2 A to 70 A ac*	1 A to 400 A dc/ 20 A to 400 A ac	1 A to 1000 A dc/ 20 A to 600 A ac	30 mA to 30 A dc/ 200 mA to 20 A ac	30 mA to 30 A dc/ 200 mA to 20 A ac	0.1 A to 450 A dc/ 2 A to 300 A ac
27	0.1 A to 100 A dc/ 0.1 A to 70 A ac*	1 A to 400 A dc/ 1 A to 400 A ac	1 A to 1000 A dc/ 1 A to 600 A ac	30 mA to 30 A dc/ 30 mA to 20 A ac	30 mA to 30 A dc/ 30 mA to 20 A ac	0.1 A to 450 A dc/ 0.1 A to 300 A ac
77-IV	0.1 A to 100 A dc/ 0.1 A to 70 A ac*	1 A to 400 A dc/ 5 A to 400 A ac	1 A to 1000 A dc/ 5 A to 600 A ac	30 mA to 30 A dc/ 40 mA to 20 A ac	30 mA to 30 A dc/ 40 mA to 20 A ac	0.1 A to 450 A dc/ 0.4 A to 300 A ac
175/177/179	0.11 A to 100 A dc/ 0.3 A to 70 A ac*	1.6 A to 400 A dc/ 30 A to 400 A ac	1.6 A to 1000 A dc/ 30 A to 600 A ac	30 mA to 30 A dc/ 300 mA to 20 A ac	30 mA to 30 A dc/ 300 mA to 20 A ac	0.1 A to 450 A dc/ 3 A to 300 A ac
157/1587	0.1 A to 100 A dc/ 0.3 A to 70 A ac*	1.2 A to 400 A dc/ 30 A to 400 A ac	1.2 A to 1000 A dc/ 30 A to 600 A ac	30 mA to 30 A dc/ 300 mA to 20 A ac	30 mA to 30 A dc/ 300 mA to 20 A ac	0.1 A to 450 A dc/ 3 A to 300 A ac
83-III/83-V/88-V	0.1 A to 100 A dc/ 0.1 A to 70 A ac*	1 A to 400 A dc/ 1 A to 400 A ac	1 A to 1000 A dc/ 1 A to 600 A ac	30 mA to 30 A dc/ 30 mA to 20 A ac	30 mA to 30 A dc/ 30 mA to 20 A ac	0.1 A to 450 A dc/ 0.1 A to 300 A ac
85-III/87-III/87-V	0.1 A to 100 A dc/ 0.2 A to 70 A ac*	1 A to 400 A dc/ 20 A to 400 A ac	1 A to 1000 A dc/ 20 A to 600 A ac	30 mA to 30 A dc/ 200 mA to 20 A ac	30 mA to 30 A dc/ 200 mA to 20 A ac	0.1 A to 450 A dc/ 2 A to 300 A ac
87-IV/89-IV/187/189	0.1 A to 100 A dc/ 0.1 A to 70 A ac*	1 A to 400 A dc/ 2.5 A to 400 A ac	1 A to 1000 A dc/ 2.5 A to 600 A ac	30 mA to 30 A dc/ 30 mA to 20 A ac	30 mA to 30 A dc/ 30 mA to 20 A ac	0.1 A to 450 A dc/ 0.25 A to 300 A ac
287/289	0.1 A to 100 A dc/ 0.1 A to 70 A ac*	1 A to 400 A dc/ 1 A to 400 A ac	1 A to 1000 A dc/ 1 A to 600 A ac	30 mA to 30 A dc/ 30 mA to 20 A ac	30 mA to 30 A dc/ 30 mA to 20 A ac	0.1 A to 450 A dc/ 0.1 A to 300 A ac
8060A/8062A DMMs	0.1 A to 100 A dc/ 0.2 A to 70 A ac*	1 A to 400 A dc/ 20 A to 400 A ac	1 A to 1000 A dc/ 20 A to 600 A ac	30 mA to 30 A dc/ 200 mA to 20 A ac	30 mA to 30 A dc/ 200 mA to 20 A ac	0.1 A to 450 A dc/ 2 A to 300 A ac
860 Series Graphical Multimeters	0.1 A to 100 A dc/ 0.3 A to 70 A ac*	1 A to 400 A dc/ 30 A to 400 A ac	1 A to 1000 A dc/ 30 A to 600 A ac	30 mA to 30 A dc/ 300 mA to 20 A ac	30 mA to 30 A dc/ 300 mA to 20 A ac	0.1 A to 450 A dc/ 3 A to 300 A ac
39/41B Power Meter	Usable but will read 10 or 100 times higher	1 A to 400 A ac** Not spec'd for dc	1 A to 600 A ac** Not spec'd for dc	Usable but will read 100 times higher**	Usable but will read 100 times higher	Not spec'd for dc 0.6 A to 300 A ac
9X ScopeMeter Series	0.1 A to 100 A dc/ 0.1 A to 70 A ac	1 A to 400 A dc/ 5 A to 400 A ac**	1 A to 1000 A dc/ 5 A to 600 A ac**	30 mA to 30 A dc/ 50 mA to 20 A ac**	30 mA to 30 A dc/ 50 mA to 20 A ac	0.1 A to 450 A dc/ 0.5 A to 300 A ac
123/124 ScopeMeters	0.1 A to 100 A dc/ 0.25 A to 70 A ac	1 A to 400 A dc/ 25 A to 400 A ac**	1 A to 1000 A dc/ 25 A to 600 A ac**	30 mA to 30 A dc/ 250 mA to 20 A ac**	30 mA to 30 A dc/ 250 mA to 20 A ac	0.1 A to 450 A dc/ 2.5 A to 300 A ac
190 Series Scopemeters	0.1 A to 100 A dc/ 0.1 A to 70 A ac	1 A to 400 A dc/ 5 A to 400 A ac**	1 A to 1000 A dc/ 5 A to 600 A ac**	30 mA to 30 A dc/ 50 mA to 20 A ac**	30 mA to 30 A dc/ 50 mA to 20 A ac	0.1 A to 450 A dc/ 0.5 A to 300 A ac
45 DMM	0.1 A to 100 A dc/ 0.15 A to 70 A ac*	1 A to 400 A dc/ 15 A to 400 A ac	1 A to 1000 A dc/ 15 A to 600 A ac	30 mA to 30 A dc/ 150 mA to 20 A ac	30 mA to 30 A dc/ 150 mA to 20 A ac	0.1 A to 450 A dc/ 1.5 A to 300 A ac
8808A	0.1 A to 100 A dc/ 0.1 A to 70 A ac*	1 A to 400 A dc/ 2 A to 400 A ac	1 A to 1000 A dc/ 2 A to 600 A ac	30 mA to 30 A dc/ 30 mA to 20 A ac	30 mA to 30 A dc/ 30 mA to 20 A ac	0.1 A to 450 A dc/ 0.2 A to 300 A ac
8845A/8846A	0.1 A to 100 A dc/ 0.1 A to 70 A ac*	1 A to 400 A dc/ 1 A to 400 A ac	1 A to 1000 A dc/ 1 A to 600 A ac	30 mA to 30 A dc/ 30 mA to 20 A ac	30 mA to 30 A dc/ 30 mA to 20 A ac	0.1 A to 450 A dc/ 0.1 A to 300 A ac
705/707	0.1 A to 100 A dc, No ac*	4 A to 400 A dc, No ac	4 A to 1000 A dc, No ac	40 mA to 30 A dc, No ac	40 mA to 30 A dc, no ac	0.4 A to 450 A dc, No ac
715	0.1 A to 100 A dc, No ac*	4 A to 400 A dc, No ac	4 A to 1000 A dc, No ac	40 mA to 30 A dc, No ac	40 mA to 30 A dc, no ac	0.1 A to 450 A dc, No ac
74X Series Process Calibrators	0.1 A to 100 A dc/ 1.1 A to 70 A ac*	1 A to 400 A dc/ 110 A to 400 A ac	1 A to 1000 A dc/ 110 A to 600 A ac	30 mA to 30 A dc/ 1.1 A to 20 A ac	30 mA to 30 A dc/ 1.1 A to 20 A ac	0.1 A to 450 A dc/ 1.1 A to 300 A ac
787/789 Process Meters	0.1 A to 100 A dc/ 0.2 A to 70 A ac*	1 A to 400 A dc/ 20 A to 400 A ac	1 A to 1000 A dc/ 20 A to 600 A ac	30 mA to 30 A dc/ 200 mA to 20 A ac	3 mA to 30 A dc/ 200 mA to 20 A ac	0.1 A to 450 A dc/ 2 A to 300 A ac

\* Requires FMS081 Adapter  
\*\* Requires PM9082/OOI Adapter  
\*\*\*Only for use with the 430 Series Power Quality Analyzers

For more information, go to [www.fluke.com/accessories](http://www.fluke.com/accessories)

## AC/DC models



80I-110s



i410



i1010

## i30s and i30 Hall Effect AC/DC Current Clamps

• Especially useful for low current measurements down to 30 milliamperes



i30s



i30

## Power quality ac combo packs for 4-phase current measurements



i430flex 4-pack\*\*\*



i5sPQ3

## Accessories



Utilities



Residential



Industrial



Commercial



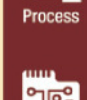
Electrical



HVAC/IAQ



Process



Electronic



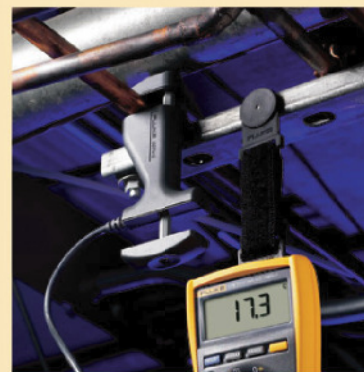
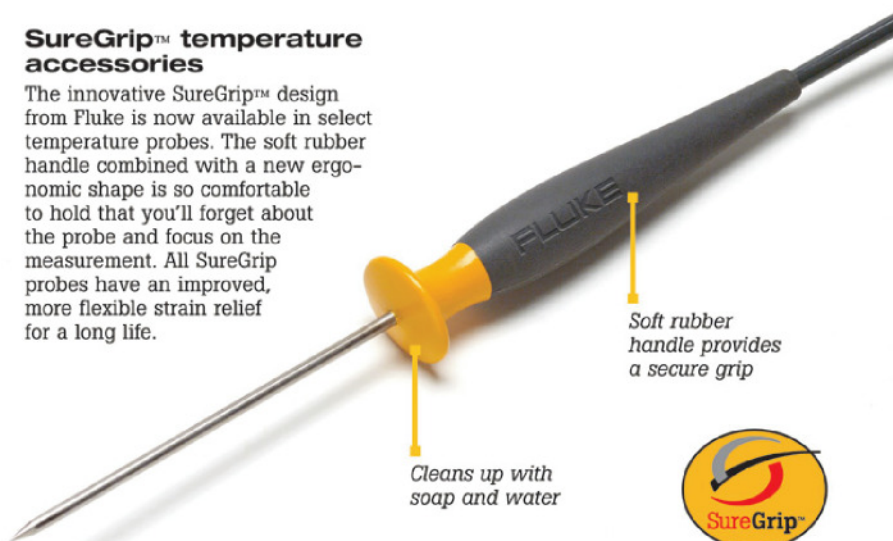
# Fluke temperature accessories

FLUKE®

## Hot probes with cool designs

### SureGrip™ temperature accessories

The innovative SureGrip™ design from Fluke is now available in select temperature probes. The soft rubber handle combined with a new ergonomic shape is so comfortable to hold that you'll forget about the probe and focus on the measurement. All SureGrip probes have an improved, more flexible strain relief for a long life.



### The right tool for the job

Make better temperature measurements with a probe designed for your application. The 80PK-8 pipe clamp probe (shown) is specifically designed for measuring pipe temperatures, calculating superheat and sub-cooling for refrigeration troubleshooting. Other special purpose probes shown are designed for making quick surface, fluid and air temperature measurements. The piercing probe makes it possible to make temperature measurements below the surface of a soft object. To enable your Fluke DMM or 50 Series II thermometer to make its' best possible measurements, chose the correct probe from the selection guide below.

W 59-13-0087 W 59-13-0001 W 59-13-0022 W 59-13-0003 W 59-13-0024 W 59-13-0025 W 59-13-0026 W 59-13-0027 W 59-13-0008

	Bead	Bead	HVAC	Immersion	Surface	Air	Piercing	General purpose	Industrial surface	Pipe clamp
Lowest temp	-40 °C (-40 °F)		-30 °C (-22 °F)	-40 °C (-40 °F)	0 °C (32 °F)	-40 °C (-40 °F)	K Type: -40 °C (-40 °F) T Type: -196 °C (-321 °F)	-40 °C (-40 °F)	-127 °C (-196 °F)	-29 °C (-20 °F)
Highest temp	260 °C (500 °F)		105 °C (221 °F)	1090 °C (1994 °F)	260 °C (500 °F)	816 °C (1500 °F)	350 °C (662 °F)	816 °C (1500 °F)	600 °C (1112 °F)	149 °C (300 °F)
Probe material	K type wire with teflon insulation		Velcro	Inconel 600	K type sensor with teflon body	Inconel	316 Stainless Steel	304 Stainless Steel		K type sensor with pvc body
Probe length	1 m Lead Wire		19 m Velcro cuff	21.27 cm (8.375 in)	9.525 cm (3.75 in)	21.59 cm (8.5 in)	10.16 cm (4 in)	21.57 cm (8.5 in)	20.32 cm (8 in)	for pipes from 6.4 mm (.25 in) to 34.9 mm (1.375 in)
Cable length		1 m (39 in)			1.3 m (4 ft)			1 m (39 in)		
Connection	Standard Banana Jack									
SureGrip handle	No	No	No	Yes	No	Yes	Yes	Yes	Yes	No
Key feature	Ideal for initial troubleshooting. Can be secured in place with a magnet.		Velcro probe allows hands free temperature measurement.	For use in liquids or in gels.	Exposed junction for direct contact with flat or slightly convex surfaces.	Perforated baffle for air and non-caustic gas measurements	Probe material safe for use in foods. Sharp tip pierces solid surfaces.	Use for general purpose air or surface measurements	Low conductivity stainless steel minimizes thermal shunting. Extra rugged.	Clamps securely to pipe. Measurements are repeatable to 0.56 °C (1 °F).
Thermocouple types	K	K, J	K		K		K, T		K	
Typical use										
General purpose	*	*	*	*	*	*	*	*	*	*
HVAC		*	*	*	*	*	*	*	*	*
Food service		*	*	*	*	*	*	*	*	*
Industrial	*	*	*	*	*	*	*	*	*	*
Residential	*	*	*	*	*	*	*	*	*	*
Commercial	*	*	*	*	*	*	*	*	*	*

Use an 80AK adapter with meters with temperature function such as the 16, 78, 83V, 87V, 88V, 179, 187 and 189  
The 80TK enables your meter to read temperature using mV (see the Accessory selection guide on page 60 for meters)  
For the Fluke Thermometer, 51, 52, 53, and 54 III, no adapter is necessary for thermocouple types K, J, T and E

Accessories

For more information, go to [www.fluke.com/accessories](http://www.fluke.com/accessories)



# Fluke Temperature accessories

FLUKE®

Turn your digital multimeter into a thermometer

## Other temperature accessories

### 80TK Thermocouple Module

- Converts K-Type thermocouple signals into mV output
- Connects to DMM via standard banana plugs
- Switch selectable °C or °F
- Range: -50 °C to 1000 °C (-58 °F to 1832 °F)
- Includes 80PK-1 probe



### 80T-150U Universal Solid State Temperature Probe

- For measurement of air, surface and non-corrosive materials
- Measurement range: -50 °C to 150 °C (-58 °F to 302 °F)
- Output: 1 mV/°C or 1 mV/°F (switch selectable)
- Connects to DMM via standard banana plugs



W 59-13-0150

### 80AK-A DMM Adapter

- Adapts K-type thermocouple mini-connector to dual banana plug inputs
- Compatible with all Fluke DMMs with temperature measurement functions
- Measurement range and accuracy is not affected by the 80AK-A adapter



W 59-15-2004

### 80BK-A Integrated DMM Temperature Probe

- Compatible with all Fluke DMMs with temperature measurement functions
- K-Type thermocouple with standard banana jack
- Convenient one-piece construction
- Measurement range: -40 °C to 260 °C (-40 °F to 500 °F)



W 59-15-2004

### 80CK-M and 80CJ-M Type K and J Male Mini-Connectors

- Isothermal screw terminal for K or J wire
- Suitable for up to 20 gauge thermocouple wire
- Color coded to industry standards (K-yellow, J-black)
- Two per package



80CK-M: W 59-13-0083

80CJ-M: W 59-13-0082

### 80PJ-EXT, 80PK-EXT, 80PT-EXT Thermocouple Wire Extension Kits

- For extending and repairing J, K or T-type thermocouple wires.
- Kit includes 3 m (approx. 9 ft.) of thermocouple wire and 1 pair of male/female mini-connectors
- Maximum continuous exposure temperature: 260 °C (500 °F)
- 80PK-EXT is compatible with K-type thermometers; 80PJ-EXT is designed for J-type thermometers, and 80PT-EXT is designed for T-type thermometers



80PJ-EXT: W 59-13-0089

80PK-EXT: W 59-13-0084

80PT-EXT: W 59-13-0088

## Thermocouple Plug Kits

### 700TC1

- A kit of 10 mini-plug connectors. One each of the following: Type J (black), Type K (yellow), Type T (blue), Type E (purple), Type R/S (green), Type B or Cu (white), Type L (J-DIN) (blue), Type U (T-DIN) (brown), Type C (red), Type N (orange)



### 700TC2

- A kit of 7 mini-plug connectors. Type J (black), two Type K (yellow), two Type E (purple), one Type T (blue), one Type R/S (green), one



## 80PR-60 RTD Temperature Probe

- Resistance temperature detector probe designed to add contact measurements to your Fluke 66 and 68 Non-Contact Infrared Thermometers
- Measurement range: -40 °C to 260 °C (-40 °F to 500 °F)
- 3.5 mm phono type jack is only appropriate for Fluke 66 and 68 Thermometers



W 59-13-8060

## Process tools accessories

### BP7217 W 59-15-0028

- NiCd rechargeable battery; nominal 7.2 volt, 1700 mA hr
- Use in 867B meters or 700 and 740 Series Calibrators



### BP7235 W 59-15-7235

- NiMH rechargeable battery; nominal 7.2 Volt, 3500 mA hr
- Use in 700 and 740 Series Calibrators



### 700LTP-1 Low Pressure Test Pump

Hand operated pressure pump designed to generate either vacuum to -13 psi/-90 bar or pressures to 100 psi/6.9 bar. Ideal for low pressure applications requiring accurate low pressure testing.



### 700ILF In-line Filter

The Fluke 700ILF can be used to isolate the calibrator from incidental contact with fluids. Particularly useful with the 718 calibrator to help keep moisture or oils from contaminating the on-board pump.



### 700PTP-1 Pneumatic Test Pump

The Fluke 700PTP is a hand-held pressure pump designed to generate either vacuum to -11.6 psi/-0.8 bar or pressure to 600 psi/40 bar.



### 700HTP-1 Hydraulic Test Pump

The Fluke 700HTP is designed to generate pressures up to 10,000 psi/700 bar. Use the Fluke-700PRV adjustable relief valves to limit pressures from 1360 psi to 5450 psi.



### 700HTH Hydraulic Test Hose

The 700HTH is a 10,000 psi, 700 bar test hose that connects to a calibration unit under test from a Fluke 700HTP hydraulic test pump.



### 700PMP Pressure Pump

The 700PMP is a hand-operated pressure pump to provide pressures up to 150 psi/1000 kPa. Output fitting is 1/8" NPT.



### Fluke 700-IV Current Shunt

Conversion factor: 10 mV = 1 mA  
Accuracy (% of input, 1 year): 0.025 %  
Input current: 0 to 55 mA  
Input resistance: 250 Ω nominal  
Output resistance: 10 Ω nominal  
Accuracy specification applies from +18 °C and 28 °C to 50 °C  
Maximum input voltage: 30 V dc



For more information, go to [www.fluke.com/accessories](http://www.fluke.com/accessories)

Accessories



# UNI-T®

## 優利德萬用錶

Be Accurate, Be Uni-Trend!

### 二十一世紀 數字萬用表的新概念



- 數字式萬用表
- 電感電容表
- 小型數字式萬用表
- 數字式萬用表 (袋裝式)
- 太陽能叉電數字式萬用表
- 示波型數字萬用表
- 數字式鉗表
- 汽車測試表
- 桌上型數字萬用表
- 專業型紅外測溫儀



Digital Multimeter 數字萬用錶

## DT-830A

小型數字式萬用錶 (特價貨品/一年保養)

- DC Voltage: 200mV/2000mV/20V/200V/1000V
- AC Voltage: 200V/750V
- DC Current: 2000  $\mu$ A/20mA/200mA
- Resistance: 200  $\Omega$ /2k  $\Omega$ /20k  $\Omega$ /200k  $\Omega$ /2000k  $\Omega$
- Max. display: 1999



W 59-03-8301

Digital Multimeter 數字萬用錶

## DT-830B

小型數字式萬用錶 (特價貨品/一年保養)

- DC Voltage: 200mV/2000mV/20V/200V/1000V
- AC Voltage: 200V/750V
- DC Current: 200  $\mu$ A/2000  $\mu$ A/20mA/200mA/10A
- Resistance: 200  $\Omega$ /2k  $\Omega$ /20k  $\Omega$ /200k  $\Omega$ /2000k  $\Omega$
- Max. display: 1999



W 59-03-8312

Digital Multimeter 數字萬用錶

## DT-830C

小型數字式萬用錶 (特價貨品/一年保養)

- DC Voltage: 200mV/2000mV/20V/200V/1000V
- AC Voltage: 200V/750V
- DC Current: 2000  $\mu$ A/20mA/200mA/10A
- Resistance: 200  $\Omega$ /2k  $\Omega$ /20k  $\Omega$ /200k  $\Omega$ /2000k  $\Omega$
- Temperature Range -40~1000°C
- Max. display: 1999



W 59-03-8303

Digital Multimeter 數字萬用錶

## DT-830D

小型數字式萬用錶 (特價貨品/一年保養)

- DC Voltage: 200mV/2000mV/20V/200V/1000V
- AC Voltage: 200V/750V
- DC Current: 2000  $\mu$ A/20mA/200mA/10A
- Resistance: 200  $\Omega$ /2k  $\Omega$ /20k  $\Omega$ /200k  $\Omega$ /2000k  $\Omega$
- Max. display: 1999



W 59-03-8314

Digital Multimeter 數字萬用錶

## DT-830E

小型數字式萬用錶 (一年保養)

- DC Voltage: 200mV/2000mV/20V/200V/1000V
- AC Voltage: 200V/750V
- DC Current: 2000  $\mu$ A/20mA/200mA/10A
- Resistance: 200  $\Omega$ /2k  $\Omega$ /20k  $\Omega$ /200k  $\Omega$ /2000k  $\Omega$
- Temperature Range -40~1000°C
- Max. display: 1999



W 59-03-8305

Digital Multimeter 數字萬用錶

## UT-10A

Modern Pocket-Size Digital Multimeter

- DCV 400mV/4V/40V/300V
- ACV 4V/40V/300V
- Max. display: 3999



W 59-03-0011

Electrical Tester 電工測試計

## UT-12A

AC 電壓測試筆 (一年保養)

- Non-Contact AC Voltage Detectors
- Voltage Sensitivity: 90 ~ 1000VAC
- Bandwidth: 50/60Hz
- Normal Indicators: Beep and flashing LED indicate the presence of voltage



W 59-03-0121

Electrical Tester 電工測試計

## UT-12B

AC 電壓測試筆 (一年保養)

- Non-Contact AC Voltage Detectors
- Voltage Sensitivity: 90 ~ 1000VAC
- Bandwidth: 50/60Hz
- Normal Indicators: Beep and flashing LED indicate the presence of voltage



W 59-03-0122

Electrical Tester 電工測試計

## UT-15A

Multifunction Voltage Testers (三年保養)

- Voltage range: 0-690V
- Continuity test: 0-100k  $\Omega$
- Phase rotation test: 50-60Hz



W 59-03-0151

Electrical Tester 電工測試計

## UT-15B

Multifunction Voltage Testers (三年保養)

- Voltage range: 0-690V
- Continuity test: 0-100k  $\Omega$
- Phase rotation test: 50-60Hz
- With short circuit detection



W 59-03-0152

Electrical Tester 電工測試計

## UT-15C

Multifunction Voltage Testers (三年保養)

- Voltage range: 0-690V
- Continuity test: 0-100k  $\Omega$
- Phase rotation test: 50-60Hz
- With short circuit detection
- LCD display (AC/DC)



W 59-03-0153

Digital Multimeter 數字萬用錶

## UT-20B

Pocket-Size Digital Multimeter

- DCV 200mV/2V/20V/200V/300V
- ACV 200V/300V
- Battery Test: 1.5V, 9V
- Max. display: 1999



W 59-03-0020

Digital Multimeter 數字萬用錶

## UT-33A

Palm Size Digital Multimeter

- DCV 400mV/4V/40V/400V/500V
- ACV 4V/40V/400V/500V
- DCC 400  $\mu$ A/4000  $\mu$ A/40mA/400mA/4A/10A
- ACC 400  $\mu$ A/4000  $\mu$ A/40mA/400mA/4A/10A
- Max. display: 3999



W 59-03-0331

Digital Multimeter 數字萬用錶

## UT-33B

Palm Size Digital Multimeter

- DCV 200mV/2000mV/20V/200V/500V
- ACV 200V/500V
- DCC 200  $\mu$ A/200mA/10A
- Battery test 1.5V/9V/12V
- Max. display: 1999
- Display Backlight



W 59-03-0332

Digital Multimeter 數字萬用錶

## UT-33C

Palm Size Digital Multimeter

- DCV 200mV/2000mV/20V/200V/500V
- ACV 200V/500V
- DCC 200  $\mu$ A/200mA/10A
- Temp. measure: -40°C~1000°C
- Max. display: 1999
- Display Backlight



W 59-03-0333



Digital Multimeter 數字萬用錶

## UT-33D

### Palm Size Digital Multimeter

- DCV 200mV/2000mV/20V/200V/500V
- ACV 200V/500V
- DCC 200 $\mu$ A/20mA/200mA/10A
- Max. display: 1999
- Display Backlight



W 59-03-0334

Digital Multimeter 數字萬用錶

## UT-39A

### Standard Digital Multimeter

- DCV 200mV/2000mV/20V/200V/1000V
- ACV 2V/20V/200V/1000V
- DCC 20 $\mu$ A/2mA/20mA/200mA/10A
- ACC 2mA/200mA/10A
- Max. display: 1999



W 59-03-0391

Digital Multimeter 數字萬用錶

## UT-39B

### Standard Digital Multimeter

- DCV 200mV/2000mV/20V/200V/1000V
- ACV 2V/20V/200V/1000V
- DCC 20mA/2mA/20mA/200mA/10A
- ACC 2mA/200mA/10A
- Max. display: 1999



W 59-03-0392

Digital Multimeter 數字萬用錶

## UT-39C

### Standard Digital Multimeter

- DCV 200mV/2000mV/20V/200V/1000V
- ACV 2V/20V/200V/1000V
- DCC 2mA/200mA/20A
- ACC 2mA/200mA/20A
- Max. display: 1999



W 59-03-0393

Digital Multimeter 數字萬用錶

## UT-39E

### Standard Digital Multimeter

- DCV 200mV/2000mV/20V/200V/1000V
- ACV 2V/20V/200V/1000V
- DCC 2mA/200mA/20A
- ACC 2mA/200mA/20A
- Max. display: 19999



W 59-03-0395

Digital Multimeter 數字萬用錶

## UT-50A

### Modern Digital Multimeter

- DCV 200mV/2000mV/20V/200V/1000V
- ACV 200mV/2000mV/20V/200V/750V
- DCC 20 $\mu$ A/2mA/200mA/20A
- ACC 200 $\mu$ A/2mA/20mA/200mA/20A
- Max. display: 1999
- Display Backlight



W 59-03-0501

Digital Multimeter 數字萬用錶

## UT-50B

### Modern Digital Multimeter

- DCV 200mV/2000mV/20V/200V/1000V
- ACV 2000mV/20V/200V/750V
- DCC 2mA/20mA/200mA/20A
- ACC 20mA/200mA/20A
- Temp. measure: -40°C~1000°C
- Max. display: 1999
- Display Backlight



W 59-03-0502

Digital Multimeter 數字萬用錶

## UT-50C

### Modern Digital Multimeter

- DCV 200mV/2000mV/20V/200V/1000V
- ACV 2000mV/20V/200V/750V
- DCC 20mA/200mA/20A
- ACC 20mA/200mA/20A
- Temp. measure: -40°C~1000°C
- Max. display: 1999
- Display Backlight



W 59-03-0503

Digital Multimeter 數字萬用錶

## UT-50D

### Modern Digital Multimeter

- DCV 200mV/2000mV/20V/200V/1000V
- ACV 2000mV/20V/200V/750V
- DCC 2mA/200mA/20A
- ACC 20mA/200mA/20A
- Temp. measure: -40°C~1000°C
- Max. display: 1999
- Display Backlight



W 59-03-0504

Digital Multimeter 數字萬用錶

## UT-50E

### Modern Digital Multimeter

- DCV 200mV/2000mV/20V/200V/1000V
- ACV 2000mV/20V/200V/750V
- DCC 2mA/20mA/200mA/20A
- ACC 20mA/200mA/20A
- Temp. measure: -40°C~1000°C
- Max. display: 19999
- Display Backlight



W 59-03-0505

Digital Multimeter 數字萬用錶

## UT-58A

### Modern Digital Multimeter

- DCV 200mV/2V/20V/200V/1000V
- ACV 2V/20V/200V/1000V
- DCC 20 $\mu$ A/2mA/20mA/200mA/20A
- ACC 2mA/200mA/20A
- Temp. measure: -40°C~1000°C
- Max. display: 1999



W 59-03-5801

Digital Multimeter 數字萬用錶

## UT-58B

### Modern Digital Multimeter

- DCV 200mV/2V/20V/200V/1000V
- ACV 2V/20V/200V/1000V
- DCC 2mA/20mA/200mA/20A
- ACC 2mA/200mA/20A
- Temp. measure: -40°C~1000°C
- Max. display: 1999



W 59-03-5802

Digital Multimeter 數字萬用錶

## UT-58C

### Modern Digital Multimeter

- DCV 200mV/2V/20V/200V/1000V
- ACV 2V/20V/200V/1000V
- DCC 2mA/200mA/20A
- ACC 2mA/200mA/20A
- Temp. measure: -40°C~1000°C
- Max. display: 1999



W 59-03-5803

Digital Multimeter 數字萬用錶

## UT-58D

### Modern Digital Multimeter

- DCV 200mV/20V/200V/1000V
- ACV 2V/200V/1000V
- DCC 2mA/200mA/20A
- ACC 2mA/20mA/20A
- Temp. measure: -40°C~1000°C
- Max. display: 1999



W 59-03-5804

Digital Multimeter 數字萬用錶

## UT-58E

### Modern Digital Multimeter

- DCV 200mV/2V/20V/200V/1000V
- ACV 2V/20V/200V/1000V
- DCC 2mA/200mA/20A
- ACC 20mA/200mA/20A
- Temp. measure: -40°C~1000°C
- Max. display: 19999



W 59-03-5805



Digital Multimeter 數字萬用錶

## UT-60A

### Modern Digital Multimeter

- DCV 400mV/4V/40V/400V/1000V
- ACV 4V/40V/400V/750V
- DCC 400 $\mu$ A/4000 $\mu$ A/40mA/400mA/4A/10A
- ACC 400 $\mu$ A/4000 $\mu$ A/40mA/400mA/4A/10A
- Max. display: 3999
- Computer connect: RS232C cable with software



W 59-03-0061

Digital Multimeter 數字萬用錶

## UT-60B

### Modern Digital Multimeter

- DCV 400mV/4V/40V/400V/1000V
- ACV 4V/40V/400V/750V
- DCC 400 $\mu$ A/4000 $\mu$ A/40mA/400mA/4A/10A
- ACC 400 $\mu$ A/4000 $\mu$ A/40mA/400mA/4A/10A
- Max. display: 3999
- Display Backlight



W 59-03-0062

Digital Multimeter 數字萬用錶

## UT-60C

### Modern Digital Multimeter

- DCV 400mV/4V/40V/400V/1000V
- ACV 4V/40V/400V/750V
- DCC 400 $\mu$ A/4000 $\mu$ A/40mA/400mA/4A/10A
- ACC 400 $\mu$ A/4000 $\mu$ A/40mA/400mA/4A/10A
- Temp. measure: -40°C~1000°C
- Max. display: 3999
- Display Backlight



W 59-03-0063

Digital Multimeter 數字萬用錶

## UT-60D

### Modern Digital Multimeter

- DCV 340mV/3.4V/34V/340V/1000V
- ACV 3.4V/34V/340V/750V
- DCC 340 $\mu$ A/3400 $\mu$ A/34mA/340mA/10A
- ACC 340 $\mu$ A/3400 $\mu$ A/34mA/340mA/10A
- Max. display: 3400
- Display Backlight
- Computer connect: RS232C cable with software



W 59-03-0064

Digital Multimeter 數字萬用錶

## UT-60E

### Modern Digital Multimeter

- DCV 400mV/4V/40V/400V/1000V
- ACV 4V/40V/400V/750V
- DCC 400 $\mu$ A/4000 $\mu$ A/40mA/400mA/4A/10A
- ACC 400 $\mu$ A/4000 $\mu$ A/40mA/400mA/4A/10A
- Temp. measure: -40°C~1000°C
- TrueRMS AC
- Max. display: 3999
- Display Backlight
- Computer connect: RS232C cable with software



W 59-03-0065

Digital Multimeter 數字萬用錶

## UT-60F

### Modern Digital Multimeter

- DCV 400mV/4V/40V/400V/1000V
- ACV 400mV/4V/40V/400V/1000V
- DCC 400 $\mu$ A/4000 $\mu$ A/40mA/400mA/10A
- ACC 400 $\mu$ A/4000 $\mu$ A/40mA/400mA/10A
- Max. display: 3999
- Display Backlight
- Computer connect: RS232C cable with software



W 59-03-0066

Digital Multimeter 數字萬用錶

## UT-60G

### Modern Digital Multimeter

- DCV 600mV/6V/60V/600V/1000V
- ACV 600mV/6V/60V/600V/1000V
- DCC 60mA/600mA/10A
- ACC 60mA/600mA/10A
- Temp. measure: -40°C~1000°C
- Max. display: 5999
- Display Backlight
- Computer connect: RS232C cable with software



W 59-03-0067

Digital Multimeter 數字萬用錶

## UT-60H

### Modern Digital Multimeter

- DCV 4V/40V/400V/1000V
- ACV 4V/40V/400V/750V
- DCC 400 $\mu$ A/4000 $\mu$ A/40mA/400mA/10A
- ACC 400 $\mu$ A/4000 $\mu$ A/40mA/400mA/10A
- Temp. measure: -40°C~400°C
- TrueRMS AC
- Max. display: 39999
- Analogue Bar Graph



W 59-03-0068

Digital Multimeter 數字萬用錶

## UT-70A

### Modern Digital Multi-Purpose Meter

- DCV 200mV/2V/20V/200V/1000V
- ACV 200mV/2V/20V/200V/750V
- DCC 20 $\mu$ A/2mA/200mA/10A
- ACC 20 $\mu$ A/2mA/200mA/10A
- Temp. measure: -40°C~1000°C
- Max. display: 1999
- Display Backlight



W 59-03-0071

Digital Multimeter 數字萬用錶

## UT-70B

### Modern Digital Multi-Purpose Meter

- DCV 400mV/4V/40V/400V/1000V
- ACV 4V/40V/400V/750V
- DCC 400 $\mu$ A/4000 $\mu$ A/40mA/400mA/10A
- ACC 400 $\mu$ A/4000 $\mu$ A/40mA/400mA/10A
- Temp. measure: -40°C~1000°C
- Max. display: 3999
- Display Backlight
- Computer connect: RS232C cable with software



W 59-03-0072

Digital Multimeter 數字萬用錶

## UT-70C

### Modern Digital Multi-Purpose Meter

- DCV 80mV/800mV/8V/80V/800V/1000V
- ACV 800mV/8V/80V/800V/1000V
- DCC 80mA/800mA/8A/10A
- ACC 80mA/800mA/8A/10A
- Max. display: 7999
- Display Backlight
- Computer connect: RS232C cable with software



W 59-03-0073

Digital Multimeter 數字萬用錶

## UT-70D

### Modern Digital Multi-Purpose Meter

- DCV 80mV/800mV/8V/80V/800V/1000V
- ACV 800mV/8V/80V/800V/1000V
- DCC 80mA/800mA/8A/10A
- ACC 80mA/800mA/8A/10A
- TrueRMS AC
- Max. display: 79999 Display Backlight
- Computer connect: RS232C cable with software



W 59-03-0074

Digital Multimeter 數字萬用錶

## UT-71A

### Intelligent Digital Meter

- DCV 200mV/2V/20V/200V/1000V
- ACV 2V/20V/200V/1000V
- DCC 200 $\mu$ A/2000 $\mu$ A/20mA/200mA/10A
- ACC 200 $\mu$ A/2000 $\mu$ A/20mA/200mA/10A
- Temp. measure: -40°C~1000°C
- Max. display: 19999



W 59-03-7101

Digital Multimeter 數字萬用錶

## UT-71B

### Intelligent Digital Meter

- DCV 200mV/2V/20V/200V/1000V
- ACV 2V/20V/200V/1000V
- DCC 200 $\mu$ A/2000 $\mu$ A/20mA/200mA/10A
- ACC 200 $\mu$ A/2000 $\mu$ A/20mA/200mA/10A
- Temp. measure: -40°C~1000°C
- Max. display: 20000
- Computer connect: USB cable with software



W 59-03-7102

Digital Multimeter 數字萬用錶

## UT-71C

### Intelligent Digital Meter

- DCV 200mV/2V/20V/200V/1000V
- ACV 2V/20V/200V/1000V
- DCC 200 $\mu$ A/2000 $\mu$ A/20mA/200mA/10A
- ACC 200 $\mu$ A/2000 $\mu$ A/20mA/200mA/10A
- Temp. measure: -40°C~1000°C
- Max. display: 20000
- Computer connect: USB cable with software



W 59-03-7103



Digital Multimeter 數字萬用錶

## UT-71D

### Intelligent Digital Meter

- DCV 400mV/4V/40V/400V/1000V
- ACV 4V/40V/400V/1000V
- DCC 400  $\mu$ A/4000  $\mu$ A/40mA/400mA/10A
- ACC 400  $\mu$ A/4000  $\mu$ A/40mA/400mA/10A
- Temp. measure: -40°C~1000°C
- Max. display: 40000
- Computer connect: USB cable with software



W 59-03-7104

Digital Multimeter 數字萬用錶

## UT-71E

### Intelligent Digital Meter

- DCV 400mV/4V/40V/400V/1000V
- ACV 4V/40V/400V/1000V
- DCC 400  $\mu$ A/4000  $\mu$ A/40mA/400mA/10A
- ACC 400  $\mu$ A/4000  $\mu$ A/40mA/400mA/10A
- Temp. measure: -40°C~1000°C
- Max. display: 40000
- Computer connect: USB cable with software



W 59-03-7105

Digital Multimeter 數字萬用錶

## UT-81B

### Scope Digital Multimeter

- DCV 400mV/4V/40V/400V/1000V
- ACV 4V/40V/400V/750V
- DCC 400  $\mu$ A/4000  $\mu$ A/40mA/400mA/4A/10A
- ACC 400  $\mu$ A/4000  $\mu$ A/40mA/400mA/4A/10A
- Resistance/Capacitance/Frequency
- Max. display: 3999
- Display Backlight
- Computer connect: USB cable with software



W 59-03-0812

Digital Multimeter 數字萬用錶

## UT-88B

### True RMS Multimeter 高精度數字萬用錶

- DC Voltage: 40mV/400mV/4V/40V/400V/1000V
- AC Voltage: 400mV/4V/40V/400V/750V
- DC Current: 40mA/400mA/4A/10A
- AC Current: 40mA/400mA/4A/10A
- Max. Display: 40,000



W 59-03-0881

Digital Multimeter 數字萬用錶

## UT-90A

### Environmental Friendly Digital MultiMeter

- DCV 200mV/2V/20V/200V/1000V
- ACV 2V/20V/200V/1000V
- DCC 200  $\mu$ A/2mA/20mA/200mA/10A
- ACC 200  $\mu$ A/2mA/20mA/200mA/10A
- Max. display: 1999



W 59-03-0091

Digital Multimeter 數字萬用錶

## UT-90B

### Environmental Friendly Digital MultiMeter

- DCV 200mV/2V/20V/200V/1000V
- ACV 2V/20V/200V/1000V
- DCC 200  $\mu$ A/2mA/20mA/200mA/10A
- ACC 200  $\mu$ A/2mA/20mA/200mA/10A
- Max. display: 1999



W 59-03-0092

Digital Multimeter 數字萬用錶

## UT-90C

### Environmental Friendly Digital MultiMeter

- DCV 400mV/4V/40V/400V/1000V
- ACV 4V/40V/400V/750V
- DCC 400  $\mu$ A/4000  $\mu$ A/40mA/400mA/4A/10A
- ACC 400  $\mu$ A/4000  $\mu$ A/40mA/400mA/4A/10A
- Max. display: 3999



W 59-03-0093

Digital Multimeter 數字萬用錶

## UT-105

### Automotive Multi-Purpose Meter

- DCV 200mV/2V/20V/200V/1000V
- ACV 2V/20V/200V/750V
- DCC 200mA/10A
- Dwell / Tach
- Max. display: 1999



W 59-03-0105

Digital Multimeter 數字萬用錶

## UT-106

### Automotive Multi-Purpose Meter

- DCV 200mV/2V/20V/200V/1000V
- ACV 200V/750V
- DCC 200mA/10A
- Temp. measure: -40°C~1000°C
- Dwell / Tach
- Max. display: 1999



W 59-03-0106

Digital Multimeter 數字萬用錶

## UT-107

### Automotive Multi-Purpose Meter

- DCV 200mV/2V/20V/200V/1000V
- ACV 200V/750V
- DCC 200mA/10A
- Temp. measure: -40°C~1000°C
- Dwell / Tach
- Max. display: 1999



W 59-03-0107

Clamp Meters 鉗錶

## UT-201

### Digital Clamp Multimeter

- DCV 200mV/2V/20V/200V/600V
- ACV 2V/20V/200V/600V
- ACC 2A/20A/200A/400A
- Max. display: 1999



W 59-03-0201

Clamp Meters 鉗錶

## UT-202

### Digital Clamp Multimeter

- DCV 200mV/2V/20V/200V/600V
- ACV 2V/20V/200V/600V
- ACC 2A/20A/200A/400A
- Temp. measure: -40°C~1000°C
- Max. display: 1999



W 59-03-0202

Clamp Meters 鉗錶

## UT-203

### Digital Clamp Multimeter

- DCV 400mV/4V/40V/400V/600V
- ACV 4V/40V/400V/600V
- DCC 40A/400A
- ACC 40A/400A
- Max. display: 3999



W 59-03-0203

Clamp Meters 鉗錶

## UT-204

### Digital Clamp Multimeter

- DCV 400mV/4V/40V/400V/600V
- ACV 4V/40V/400V/600V
- DCC 40A/400A
- ACC 40A/400A
- TrueRMS: ACV within 40~400Hz, ACC within 50~60Hz
- Max. display: 3999



W 59-03-0204

Clamp Meters 鉗錶

## UT-205

### Digital Clamp Multimeter

- DCV 400mV/4V/40V/400V/600V
- ACV 4V/40V/400V/600V
- ACC 400A/1000A
- Max. display: 3999
- Display Backlight
- Jaw Opening Light



W 59-03-0205



## Clamp Meters 鉗錶 UT-205A

### Digital Clamp Multimeter

- DCV 400mV/4V/40V/400V/600V
- ACV 4V/40V/400V/600V
- ACC 400A/1000A
- Max. display: 3999
- Display Backlight



W 59-03-1205

## Clamp Meters 鉗錶 UT-206

### Digital Clamp Multimeter

- DCV 400mV/4V/40V/400V/600V
- ACV 4V/40V/400V/600V
- ACC 400A/1000A
- Temp. measure: -40°C~1000°C
- Max. display: 3999
- Display Backlight
- Jaw Opening Light



W 59-03-0206

## Clamp Meters 鉗錶 UT-206A

### Digital Clamp Multimeter

- DCV 400mV/4V/40V/400V/600V
- ACV 4V/40V/400V/600V
- ACC 400A/1000A
- Temp. measure: -40°C~1000°C
- Max. display: 3999
- Display Backlight



W 59-03-1206

## Clamp Meters 鉗錶 UT-207

### Digital Clamp Multimeter

- DCV 6.6V/66V/600V
- ACV 6.6V/66V/600V
- DCC 66A/1000A
- ACC 66A/1000A
- Max. display: 5999
- Display Backlight



W 59-03-0207

## Clamp Meters 鉗錶 UT-208

### Digital Clamp Multimeter

- DCV 6.6V/66V/600V
- ACV 6.6V/66V/600V
- DCC 66A/1000A
- ACC 66A/1000A
- Temp. measure: -40°C~1000°C
- Max. display: 5999
- Display Backlight



W 59-03-0208

## Clamp Meters 鉗錶 UT-212

### Digital Clamp Multimeter

- DCV 4V/40V/400V/600V
- ACV 4V/40V/400V/600V
- ACC 40A/400A
- Max. display: 3999



W 59-03-0212

## Clamp Meters 鉗錶 UT-231

### 數字功率鉗錶 (三年保養)

- AC Voltage: 15V/100V/300V/600V
- AC Current 40A/100A/400A/1000A
- Active Power: 0.01kW-600kW
- Display Backlight
- Max. Display: 9999
- Analogue Bar Graph



W 59-03-0231

## Clamp Meters 鉗錶 UT-232

### 數字功率鉗錶 (三年保養)

- AC Voltage: 15V/100V/300V/600V
- AC Current 40A/100A/400A/1000A
- Active Power: 0.01kW-600kW
- Display Backlight
- Max. Display: 9999
- Analogue Bar Graph
- 3-phase 3-wire
- 3-phase 4-wire



W 59-03-0232

## Infrared Thermometers 紅外線溫度計

## UT-301A

### Infrared Thermometer (三年保養)

- Temperature Range -18~350°C
- Display Accuracy 1.8°C or 1.8%
- Distance to Spot Size 12 : 1
- MAX, MIN, DIF, AVG temperatures



W 59-03-3011

## Infrared Thermometers 紅外線溫度計

## UT-301B

### Infrared Thermometer (三年保養)

- Temperature Range -18~450°C
- Display Accuracy 1.8°C or 1.8%
- Distance to Spot Size 12 : 1
- MAX, MIN, DIF, AVG temperatures



W 59-03-3012

## Infrared Thermometers 紅外線溫度計

## UT-301C

### Infrared Thermometer (三年保養)

- Temperature Range -18~550°C
- Display Accuracy 1.8°C or 1.8%
- Distance to Spot Size 12 : 1
- MAX, MIN, DIF, AVG temperatures



W 59-03-3013

## Infrared Thermometers 紅外線溫度計

## UT-302A

### Infrared Thermometer (三年保養)

- Temperature Range -32~450°C
- Display Accuracy 1.8°C or 1.8%
- Distance to Spot Size 20 : 1
- MAX, MIN, DIF, AVG temperatures



W 59-03-3021

## Infrared Thermometers 紅外線溫度計

## UT-302B

### Infrared Thermometer (三年保養)

- Temperature Range -32~550°C
- Display Accuracy 1.8°C or 1.8%
- Distance to Spot Size 20 : 1
- MAX, MIN, DIF, AVG temperatures



W 59-03-3022

## Infrared Thermometers 紅外線溫度計

## UT-302C

### Infrared Thermometer (三年保養)

- Temperature Range -32~650°C
- Display Accuracy 1.8°C or 1.8%
- Distance to Spot Size 20 : 1
- MAX, MIN, DIF, AVG temperatures



W 59-03-3023

## Infrared Thermometers 紅外線溫度計

## UT-303A

### Infrared Thermometer (三年保養)

- Temperature Range -32~650°C
- Display Accuracy 1.8°C or 1.8%
- Distance to Spot Size 30 : 1
- MAX, MIN, DIF, AVG temperatures



W 59-03-3031



Infrared Thermometers 紅外線溫度計

## UT-303B

Infrared Thermometer (三年保養)

- Temperature Range -32~850°C
- Display Accuracy 1.8°C or 1.8%
- Distance to Spot Size 30 : 1
- MAX, MIN, DIF, AVG temperatures



W 59-03-3032

Infrared Thermometers 紅外線溫度計

## UT-303C

Infrared Thermometer(三年保養)

- Temperature Range -32~1050°C
- Display Accuracy 1.8°C or 1.8%
- Distance to Spot Size 30 : 1
- MAX, MIN, DIF, AVG temperatures



W 59-03-3033

Electrical Tester 電工測試計

## UT-511

絕緣電阻測試儀 (三年保養)

- Insulation Resistance Testers
- Insulation Resistance: 500kΩ ~ 10GΩ, 1MΩ~1000GΩ
- Testing Voltage: 100V/250V/500V/1000V
- DC Voltage: 1000V
- AC Voltage: 750V



W 59-03-0511

Electrical Tester 電工測試計

## UT-513

絕緣電阻測試儀 (三年保養)

- Insulation Resistance Testers
- Insulation Resistance: 500kΩ~1000GΩ
- Testing Voltage: 1000V/1500V/2500V/5000V
- DC Voltage: 600V
- AC Voltage: 600V



W 59-03-0513

Electrical Tester 電工測試計

## UT-601

Modem Digital Specialized Meter

- Resistance 20Ω/200Ω/2kΩ/20kΩ/200kΩ/2MΩ/20MΩ/200MΩ/2000MΩ
- Capacitance 200pF/2nF/20nF/200nF/2μF/20μF/200μF/2mF/20mF
- Max. display: 1999



W 59-03-0601

Electrical Tester 電工測試計

## UT-602

Modem Digital Specialized Meter

- Resistance 20Ω/200Ω/2kΩ/20kΩ/200kΩ/2MΩ/20MΩ/200MΩ
- Inductance 2mH/20mH/200mH/2H/20H/200H
- Max. display: 1999



W 59-03-0602

Electrical Tester 電工測試計

## UT-603

Modem Digital Specialized Meter

- Resistance 200Ω/2kΩ/20kΩ/200kΩ/2MΩ/20MΩ
- Capacitance 2nF/20nF/200nF/2μF/20μF/200μF/600μF
- Inductance 2mH/20mH/200mH/2H/20H
- Max. display: 1999



W 59-03-0603

Digital Multimeter 數字萬用錶

## UT-803

桌上型數字萬用錶 RMS (三年保養)

- DC Voltage: 600mV/6V/60V/600V/1000V
- AC Voltage: 600mV/6V/60V/600V/1000V
- DC Current: 600μA/6000μA/60mA/600mA/10A
- AC Current: 600μA/6000μA/60mA/600mA/10A
- Display Backlight
- Max. Display: 5999



W 59-03-0803

Digital Multimeter 數字萬用錶

## UT-804

桌上型數字萬用錶 RMS (三年保養)

- DC Voltage: 400mV/4V/40V/400V/1000V
- AC Voltage: 4V/40V/400V/1000V
- DC Current: 400mA/4000mA/40mA/400mA/10A
- AC Current: 400mA/4000mA/40mA/400mA/10A
- Display Backlight (Double)
- Max. Display: 39,999



W 59-03-0804

Digital Multimeter 數字萬用錶

## UT-805

桌上型數字萬用錶 RMS (三年保養)

- DC Voltage: 200mV/2V/20V/200V/1000V
- AC Voltage: 200mV/2V/20V/200V/750V
- DC Current: 2mA/200mA/10A
- AC Current: 2mA/200mA/10A
- Full Icon Display: VFD
- Max. Display: 220,000



W 59-03-0805

ScopeMeters 示波器

## UT-2025B (BS plug)

Digital Storage Oscilloscope

- Bandwidth 25 MHz
- Rise Time <= 14 ns
- Vertical Sensitivity 2mV ~ 5V/div
- Trigger Type: Edge, Pulse, Video and Alternate
- Display: Monochrome LCD, 320 x 240



W 59-03-2025

ScopeMeters 示波器

## UT-2042B

Digital Storage Oscilloscope

- Bandwidth 40 MHz
- Rise Time <= 8.7 ns
- Vertical Sensitivity 2mV ~ 5V/div
- Trigger Type: Edge, Pulse, Video and Alternate
- Display: Monochrome LCD, 320 x 240



W 59-03-2042

ScopeMeters 示波器

## UT-2042C

Digital Storage Oscilloscope

- Bandwidth 40 MHz
- Rise Time <= 8.7 ns
- Vertical Sensitivity 2mV ~ 5V/div
- Trigger Type: Edge, Pulse, Video and Alternate
- Display: 64k, Full colour LCD, 320 x 240



W 59-03-2043

ScopeMeters 示波器

## UT-2062B

Digital Storage Oscilloscope

- Bandwidth 60 MHz
- Rise Time <= 5.8 ns
- Vertical Sensitivity 2mV ~ 5V/div
- Trigger Type: Edge, Pulse, Video and Alternate
- Display: Monochrome LCD, 320 x 240



W 59-03-2062

ScopeMeters 示波器

## UT-2062C

Digital Storage Oscilloscope

- Bandwidth 60 MHz
- Rise Time <= 5.8 ns
- Vertical Sensitivity 2mV ~ 5V/div
- Trigger Type: Edge, Pulse, Video and Alternate
- Display: 64k, Full colour LCD, 320 x 240



W 59-03-2063

## ScopeMeters 示波器 UT-2082B

### Digital Storage Oscilloscope

- Bandwidth 80 MHz
- Rise Time  $\leq 4.5$  ns
- Vertical Sensitivity 2mV ~ 5V/div
- Trigger Type: Edge, Pulse, Video and Alternate
- Display: Monochrome LCD, 320 x 240



W 59-03-2082

## ScopeMeters 示波器 UT-2082C

### Digital Storage Oscilloscope

- Bandwidth 80 MHz
- Rise Time  $\leq 4.5$  ns
- Vertical Sensitivity 2mV ~ 5V/div
- Trigger Type: Edge, Pulse, Video and Alternate
- Display: 64k, Full colour LCD, 320 x 240



W 59-03-2083

## ScopeMeters 示波器 UT-2102B

### Digital Storage Oscilloscope

- Bandwidth 100 MHz
- Rise Time  $\leq 3.5$  ns
- Vertical Sensitivity 2mV ~ 5V/div
- Trigger Type: Edge, Pulse, Video and Alternate
- Display: Monochrome LCD, 320 x 240



W 59-03-2101

## ScopeMeters 示波器 UT-2102C (BS plug)

### Digital Storage Oscilloscope Product

- Bandwidth 100 MHz
- Rise Time  $\leq 3.5$  ns
- Vertical Sensitivity 2mV ~ 5V/div
- Trigger Type: Edge, Pulse, Video and Alternate
- Display: 64k, Full colour LCD, 320 x 240



W 59-03-2102

## ScopeMeters 示波器 UT-2152B

### Digital Storage Oscilloscope

- Bandwidth 150 MHz
- Rise Time  $\leq 2.3$  ns
- Vertical Sensitivity 2mV ~ 5V/div
- Trigger Type: Edge, Pulse, Video and Alternate
- Display: Monochrome LCD, 320 x 240



W 59-03-2152

## ScopeMeters 示波器 UT-2152C

### Digital Storage Oscilloscope

- Bandwidth 150 MHz
- Rise Time  $\leq 2.3$  ns
- Vertical Sensitivity 2mV ~ 5V/div
- Trigger Type: Edge, Pulse, Video and Alternate
- Display: 64k, Full colour LCD, 320 x 240



W 59-03-2153

## ScopeMeters 示波器 UT-2202B

### Digital Storage Oscilloscope

- Bandwidth 200 MHz
- Rise Time  $\leq 1.8$  ns
- Vertical Sensitivity 2mV ~ 5V/div
- Trigger Type: Edge, Pulse, Video and Alternate
- Display: Monochrome LCD, 320 x 240



W 59-03-2202

## ScopeMeters 示波器 UT-2202C

### Digital Storage Oscilloscope

- Bandwidth 200 MHz
- Rise Time  $\leq 1.8$  ns
- Vertical Sensitivity 2mV ~ 5V/div
- Trigger Type: Edge, Pulse, Video and Alternate
- Display: 64k, Full colour LCD, 320 x 240



W 59-03-2203

## ScopeMeters 示波器 UT-3025B

### Digital Storage Oscilloscope

- Bandwidth 25 MHz
- Rise Time  $\leq 14$  ns
- Vertical Sensitivity 2mV ~ 5V/div
- Trigger Type: Edge, Pulse, Video and Alternate
- Display: Monochrome LCD, 320 x 240



W 59-03-3025

## ScopeMeters 示波器 UT-3025C

### Digital Storage Oscilloscope

- Bandwidth 25 MHz
- Rise Time  $\leq 14$  ns
- Vertical Sensitivity 2mV ~ 5V/div
- Trigger Type: Edge, Pulse, Video and Alternate
- Display: 64k, Full colour LCD, 320 x 240



W 59-03-3026

## ScopeMeters 示波器 UT-3042B

### Digital Storage Oscilloscope

- Bandwidth 40 MHz
- Rise Time  $\leq 8.7$  ns
- Vertical Sensitivity 2mV ~ 5V/div
- Trigger Type: Edge, Pulse, Video and Alternate
- Display: Monochrome LCD, 320 x 240



W 59-03-3042

## ScopeMeters 示波器 UT-3042C

### Digital Storage Oscilloscope

- Bandwidth 40 MHz
- Rise Time  $\leq 8.7$  ns
- Vertical Sensitivity 2mV ~ 5V/div
- Trigger Type: Edge, Pulse, Video and Alternate
- Display: 64k, Full colour LCD, 320 x 240



W 59-03-3043

## ScopeMeters 示波器 UT-3062B

### Digital Storage Oscilloscope

- Bandwidth 60 MHz
- Rise Time  $\leq 5.8$  ns
- Vertical Sensitivity 2mV ~ 5V/div
- Trigger Type: Edge, Pulse, Video and Alternate
- Display: Monochrome LCD, 320 x 240



W 59-03-3062

## ScopeMeters 示波器 UT-3062C

### Digital Storage Oscilloscope

- Bandwidth 60 MHz
- Rise Time  $\leq 5.8$  ns
- Vertical Sensitivity 2mV ~ 5V/div
- Trigger Type: Edge, Pulse, Video and Alternate
- Display: 64k, Full colour LCD, 320 x 240



W 59-03-3063

## ScopeMeters 示波器 UT-3082B

### Digital Storage Oscilloscope

- Bandwidth 80 MHz
- Rise Time  $\leq 4.5$  ns
- Vertical Sensitivity 2mV ~ 5V/div
- Trigger Type: Edge, Pulse, Video and Alternate
- Display: Monochrome LCD, 320 x 240



W 59-03-3082



## ScopeMeters 示波器 UT-3082C

### Digital Storage Oscilloscope

- Bandwidth 80 MHz
- Rise Time  $\leq 4.5$  ns
- Vertical Sensitivity 2mV ~ 5V/div
- Trigger Type: Edge, Pulse, Video and Alternate
- Display: 64k, Full colour LCD, 320 x 240



W 59-03-3083

## ScopeMeters 示波器 UT-3102B

### Digital Storage Oscilloscope

- Bandwidth 100 MHz
- Rise Time  $\leq 3.5$  ns
- Vertical Sensitivity 2mV ~ 5V/div
- Trigger Type: Edge, Pulse, Video and Alternate
- Display: Monochrome LCD, 320 x 240



W 59-03-3102

## ScopeMeters 示波器 UT-3102C

### Digital Storage Oscilloscope

- Bandwidth 100 MHz
- Rise Time  $\leq 3.5$  ns
- Vertical Sensitivity 2mV ~ 5V/div
- Trigger Type: Edge, Pulse, Video and Alternate
- Display: 64k, Full colour LCD, 320 x 240



W 59-03-3103

## ScopeMeters 示波器 UT-3152B

### Digital Storage Oscilloscope

- Bandwidth 150 MHz
- Rise Time  $\leq 2.3$  ns
- Vertical Sensitivity 2mV ~ 5V/div
- Trigger Type: Edge, Pulse, Video and Alternate
- Display: Monochrome LCD, 320 x 240



W 59-03-3152

## ScopeMeters 示波器 UT-3152C

### Digital Storage Oscilloscope

- Bandwidth 150 MHz
- Rise Time  $\leq 2.3$  ns
- Vertical Sensitivity 2mV ~ 5V/div
- Trigger Type: Edge, Pulse, Video and Alternate
- Display: 64k, Full colour LCD, 320 x 240



W 59-03-3153

## ScopeMeters 示波器 UT-3202B

### Digital Storage Oscilloscope

- Bandwidth 200 MHz
- Rise Time  $\leq 1.8$  ns
- Vertical Sensitivity 2mV ~ 5V/div
- Trigger Type: Edge, Pulse, Video and Alternate
- Display: Monochrome LCD, 320 x 240



W 59-03-3202

## ScopeMeters 示波器 UT-3202C

### Digital Storage Oscilloscope

- Bandwidth 200 MHz
- Rise Time  $\leq 1.8$  ns
- Vertical Sensitivity 2mV ~ 5V/div
- Trigger Type: Edge, Pulse, Video and Alternate
- Display: 64k, Full colour LCD, 320 x 240



W 59-03-3203

## Clamp Meters 鉗錶 UT-211

### Digital Clamp Multimeter

- DCV 4V/40V/400V/600V
- ACV 4V/40V/400V/600V
- ACC 40A/400A
- Max. display: 3999



W 59-03-0211

# UNI-T®

## UNI-TREND GROUP LIMITED



## Accessories

■ UT-T03/06/07

■ UT-C01/02/03/04/05



W 59-09-8003

■ UT-T03

- Use to test liquid and semi-solid object temperature
- Probe length: 180mm
- Wire length: 1000mm
- Measurement range: -50°C~600°C(-50°F~1112°F)



W 59-09-8301

■ UT-C01

- Probe length: 62mm
- Hook can extend to 7.5mm
- With safety handle and hook type alligator clip
- CAT III 1000V



W 59-09-8006

■ UT-T06

- Target to measure even and ramp surface area
- Suitable for temperature measurement of the hot drum and utensils surface
- Probe length: 125mm
- Wire length: 1000mm
- Measurement range: -50°C~500°C(-50°F~932°F)



■ UT-C02

- Alligator clip length: 82mm
- Max. jaw size: 18mm
- Full insulation banana type with straight plug
- CAT III 1000V 6A



W 59-09-8007

■ UT-T07

- Target to measure even and ramp surface area
- Suitable for temperature measurement of the hot drum and utensils surface
- Probe length: 200mm
- Probe is 90° bend
- Wire length: 1000mm
- Measurement range: -50°C~500°C (-50°F~932°F)



■ UT-C03

- Alligator clip length: 98mm
- Max. jaw size: 24mm
- Full insulation banana type with screw plug
- CAT III 1000V 6A



W 59-09-8305

■ UT-C05

- Alligator clip length: 98mm
- Max. jaw size: 25mm
- Full insulation banana type with straight plug
- CAT III 1000V 10A



■ UT-C04

- Alligator clip length: 82mm
- Max. jaw size: 33mm
- Full insulation banana type with straight plug
- CAT III 1000V 10A



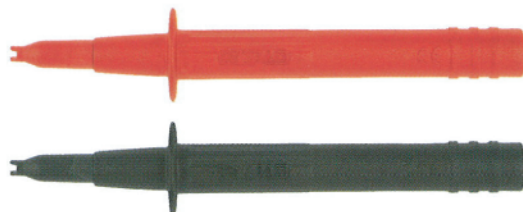
## Accessories

### ■ UT-C06/07/08/09/10 ■ UT-D04

#### ■ UT-C06

W 59-09-8306

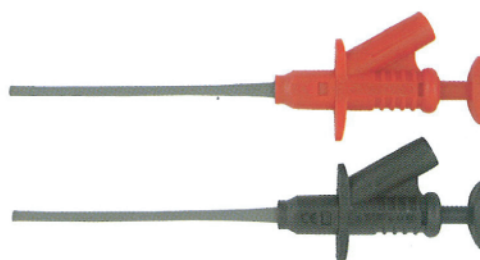
- Rod length: 106mm
- Probe length: 19mm
- Double insulation with tip protector
- CAT III 1000V 10A



#### ■ UT-C07

W 59-09-8307

- Electronics testing multi-purpose probe clip
- Adjustable testing probe
- Standard banana plug which can connect to different types of testing leads.
- CAT III 1000V, CAT IV 600V 5A



#### ■ UT-C08

W 59-09-8308

- Rod length: 99mm
- Probe length: 18mm
- Double insulation, straight type probe
- CAT III 1000V, CAT IV 600V 10A



#### ■ UT-C09

W 59-09-8309

- Rod length: 99mm
- Probe length: 18mm
- Double insulation, lantern type probe
- CAT III 1000V, CAT IV 600V 10A



#### ■ UT-C10

W 59-09-8310

- With on off switch, screw type design
- Power up with 1.5V x 2 button batteries
- It can be used with all of Uni-Trend testing leads



#### ■ UT-D04

W 59-09-8204

- Infrared USB interface cable
- Can connect to lap top and desk top computer
- Suitable for the use of UT71A, UT71B, UT71C, UT71D and UT71E multimeter.



**Accessories**
**■ UT-L01/07/09/11/  
12/16/17/18**
**W 59-09-8101**
**■ UT-L01**

- Wire length: 450mm
- Probe length: 5mm
- Temperature condition: -10°C~40°C
- Suitable for measuring SMT components


**■ UT-L07**

- Wire length: 1000mm
- Probe length: 17mm
- Double insulation, Banana plug, Adjustable probe
- Temperature condition: -15°C~40°C


**W 59-09-8109**
**■ UT-L09**

- Wire length: 1000mm
- Double insulation, Banana plug, One end with 180° connection, One end right angle connection
- Temperature condition: -15°C~40°C


**■ UT-L11**

- Wire length: 1000mm
- Double insulation, Banana plug, Two ends with 180° connection
- Temperature condition: -15°C~40°C


**■ UT-L12**

- Wire length: 1000mm
- Double insulation, Banana plug, Two end with 180° connection
- Temperature condition: 0°C~40°C
- To work as a testing instruments connector


**W 59-09-8116**
**■ UT-L16**

- Wire length: 1200mm
- Probe length: 18mm
- Double insulation
- Temperature condition: -20°C~50°C


**■ UT-L17**

- Wire length: 1000mm
- Probe length: 16mm
- With LED suitable for working at dim environment
- CAT III 1000V 10A


**■ UT-L18**

- Wire length: 1000mm
- Probe length: 16mm
- With LED suitable for working at dim environment
- With live wire detector feature
- CAT III 1000V 10A







■ **TP-01 (K) 熱電偶**  
59-09-0008

Economy type temperature probe  
Use to measure object temperature



■ **(K) 熱電偶測試棒**  
59-09-0011

Economy type temperature probe  
Suitable for digital multimeter



■ **UL 測試棒 (41600111)**  
59-09-0111

Economy type probe  
Suitable for digital multimeter



■ **Fuse 10A 600V For DT-60 Series**  
59-09-0010

Current range fuse for digital multimeter



■ **Fuse 500mA 600V For DT-60 Series**  
59-09-0050

Voltage range fuse for digital multimeter

MULTI

日本製造

日本「MULTI萬用儀器」

## 專業鉗錶 首屈一指

全球首部精確度高達  
0.1mA的漏電鉗錶

## ▲ M-600 AC/DC漏電鉗錶

- 全球首部AC/DC漏電鉗錶
- 精確度高達0.1mA

日本「MULTI萬用儀器」自成立以來，一直專注研發高質量的電力檢測鉗錶和不同形狀、尺寸和功能的鉗形線夾（CT）。

在著名的「日本電力工業展覽」中，MULTI憑藉產品的創新設計和卓越品質，曾在六年內四度獲獎。

MULTI的電力檢測儀器更獲得日本各大專業機構一致信賴——日本國營電力公司已大部份採用其檢測產品，而其他電力建築公司、電訊公司和鐵路公司亦廣泛使用MULTI產品於保養和安全服務領域。



## ▲ MCD-107袋裝數字萬用錶

- 超薄機身，小巧玲瓏
- 可測量AC/DC電壓、電容、電阻、頻率、導通、二極管等



## ▲ MIS-4A指針式絕緣錶

- 機身小巧輕便
- 具多項電壓/阻抗測量選擇
- 特別堅固外殼
- 能預先檢測帶氣電路



AC clamp leakage

## Model 100

### Mini Leakage Clamp Tester

- Jaw opening capability:  $\Phi 18\text{mm}$
- 3 1/2 digits LCD display with max. reading of 1999
- AC current 200mA to 20A
- Mini resolution: 0.1mA
- Data hold



W 59-06-0100

AC clamp leakage

## Model 102

### Mini Leakage Clamp Tester

- Jaw opening capability:  $\Phi 23\text{mm}$
- 3 1/2 digits LCD display with max. reading of 1999
- AC current 200mA to 100A
- Mini resolution: 0.1mA
- Data hold



W 59-06-0102

AC clamp leakage

## Model 104

### Mini Leakage Clamp Tester

- Jaw opening capability:  $\Phi 33\text{mm}$
- 3 1/2 digits LCD display with max. reading of 1999
- AC current 200mA to 150A
- Mini resolution: 0.1mA
- Data hold



W 59-06-0104

AC clamp leakage

## Model 110

### Mini Leakage Clamp Tester

- Jaw opening capability:  $\Phi 30\text{mm}$
- 3 1/2 digits LCD display with max. reading of 1999
- AC current 2mA to 60A
- Mini resolution: 1uA
- Data hold



W 59-06-0110

AC clamp leakage

## Model 140

### Mini Leakage Clamp Tester

- Jaw opening capability:  $\Phi 40\text{mm}$
- 3 3/4 digits LCD display with max. reading of 3200
- AC current 30mA to 300A
- Mini resolution: 0.01mA
- Auto power off
- Data hold



W 59-06-0140

AC clamp leakage

## Model 310

### Mini Clamp Tester with "U" Type CT

- Jaw opening capability:  $\Phi 40\text{mm}$
- 3 3/4 digits LCD display with max. reading of 3200
- AC current 30mA to 300A
- Mini resolution: 0.01mA
- with "U" Type Direct Touch CT enables AC current measurement of Single & Three Phase Circuit just by touching CT to conductor.
- "U" Type CT AC current up to 300A



W 59-06-0310

AC clamp leakage

## MCL-800D

### Digital Leakage Clamp Tester

- Jaw opening capability:  $\Phi 80\text{mm}$
- 3 1/2 digits LCD display with max. reading of 1999
- AC current 200mA to 1000A
- Mini resolution: 0.1mA
- Data hold



W 59-06-0800

AC clamp leakage

## MCL-1100

### Digital Leakage Clamp Tester

- Jaw opening capability:  $\Phi 108\text{mm}$
- 3 1/2 digits LCD display with max. reading of 3200
- DC mV analog data output for recorder
- AC current 300mA to 3000A
- Mini resolution: 0.1mA
- Data hold



W 59-06-1100

AC clamp tester

## Model 200

### Mini Clamp Tester with "U" Type CT

- Jaw opening capability:  $\Phi 33\text{mm}$
- 3 1/2 digits LCD display with max. reading of 1999
- AC current 20A to 200A
- Mini resolution: 10mA
- with "U" Type Direct Touch CT enables AC current measurement of Single & Three Phase Circuit just by touching CT to conductor.
- "U" Type CT AC current up to 300A



W 59-06-0200

AC clamp tester

## Model 210

### Mini Clamp Tester

- Jaw opening capability:  $\Phi 23\text{mm}$
- 3 1/2 digits LCD display with max. reading of 1999
- AC current 20A to 200A
- Mini resolution: 10mA
- Data hold



W 59-06-0210

AC clamp tester

## M-1800

### Digital Clamp Tester

- Jaw opening capability:  $\Phi 80\text{mm}$
- 3 1/2 digits LCD display with max. reading of 1999
- AC current 20A to 1800A
- Mini resolution: 0.01A
- Data hold



W 59-06-1800

AC clamp tester

## M-2010

### DIGITAL CLAMP TESTER

- Jaw opening capacity:  $\Phi 40\text{mm}$
- 3 1/2 digits LCD Display & max. reading of 2,000
- AC current range 20 A ~ 600 A
- Resolution 0.01 mA / 0.1 A
- Data Hold
- Power Supply: 3A, R03 (1.5V) x 2
- Dimensions: 70 x 223 x 34 (W x H x D) mm



W 59-06-2010

AC clamp tester

## Model 2020

### Mini Digital Clamp Tester

- Jaw opening capability:  $\Phi 40\text{mm}$
- 3 3/4 digits LCD display with max. reading of 3200
- AC current up to 300A
- AC/DC voltage up to 500V
- Resistance up to 3000 $\Omega$
- Auto power off
- Data hold



W 59-06-2020

AC clamp tester

## Model 2100

### Digital Clamp Tester

- Jaw opening capability:  $\Phi 55\text{mm}$
- 3 1/2 digits LCD display with max. reading of 1999
- AC current 20A to 2000A
- AC/DC voltage 2V to 600V
- Resistance 200 $\Omega$  to 20M $\Omega$
- Diode, Continuity test
- Auto power off
- Data hold



W 59-06-2100

AC clamp tester

## MCL-3000

### Digital Clamp Tester

- Jaw opening capability:  $\Phi 108\text{mm}$
- 3 1/2 digits LCD display with max. reading of 3200
- DC mV analog data output for recorder
- AC current 30A to 3000A
- Mini resolution: 0.01A
- Data hold



W 59-06-3000

AC/DC clamp tester

## Model 230

### AC/DC Mini Digital Clamp Tester

- Jaw opening capability:  $\Phi 23\text{mm}$
- 3 1/2 digits LCD display with max. reading of 1999
- AC current 20A to 200A
- DC current 20A to 200A
- Mini resolution: 10mA
- Data hold



W 59-06-0230

AC/DC clamp tester

## Model 240

### AC/DC Mini Digital Clamp Tester

- Jaw opening capability:  $\Phi 30\text{mm}$
- 3 1/2 digit LCD display with max. reading of 1999
- AC current 20A to 200A
- DC current 20A to 200A
- Mini resolution: 10mA
- Data hold



W 59-06-0240

AC/DC clamp tester

## Model 250

### AC/DC Mini Digital Clamp Tester

- Jaw opening capability:  $\Phi 40\text{mm}$
- 3 1/2 digits LCD display with max. reading of 1999
- AC current 200A to 1000A
- DC current 200A to 1000A
- Mini resolution: 0.1A
- Data hold



W 59-06-0250

AC/DC clamp tester

## Model 260

### AC/DC Digital Clamp Tester

- Jaw opening capability:  $\Phi 55\text{mm}$
- 3 3/4 digits LCD display with max. reading of 3999
- AC/DC current 40A to 2000A
- AC/DC voltage 400mV to 600V
- Resistance 400 $\Omega$  to 40M $\Omega$
- Frequency 100Hz up to 1000kHz
- Diode, Continuity test
- Auto power off



W 59-06-0260

AC/DC clamp tester

## Model 270

### True-RMS AC/DC Digital Clamp Tester

- Jaw opening capability:  $\Phi 55\text{mm}$
- 3 3/4 digits LCD display with max. reading of 3999
- AC/DC current 40A to 2000A
- AC/DC voltage 400mV to 600V
- Resistance 400 $\Omega$  to 40M $\Omega$
- Frequency 100Hz up to 1000kHz
- Diode, Continuity test
- Auto power off



W 59-06-0270

AC/DC clamp tester

## Model 280

### AC/DC Mini Digital Clamp Tester

- Jaw opening capability:  $\Phi 30\text{mm}$
- 4 digits LCD display with max. reading of 9999
- AC/DC current up to 999.9A
- AC/DC voltage up to 500V
- Resistance up to 600 $\Omega$
- Max/ Min Hold function
- Auto power off
- Data hold



W 59-06-0280

AC/DC clamp tester

## Model 290

### True-RMS AC/DC Mini Clamp Tester

- Jaw opening capability:  $\Phi 30\text{mm}$
- 3 3/4 digits LCD display with max. reading of 3999
- AC/DC current 40A to 400A
- Mini resolution: 0.01A
- AC/DC voltage 60V to 600V
- Resistance up to 10000 $\Omega$
- Auto power off
- Data hold



W 59-06-5290

AC/DC clamp tester/leaker

## Model 600

### AC/DC Leakage Clamp Tester

- Jaw opening capability:  $\Phi 20\text{mm}$
- 3 1/2 digits LCD display with max. reading of 1999
- AC/DC current 200mA to 10A
- Mini resolution: 0.1mA
- Resistance 400 $\Omega$  to 40M $\Omega$
- Frequency 100Hz up to 1000kHz
- Diode, Continuity test
- Auto power off



W 59-06-0600

Digital harmonics tester

## HWT-301

### Digital Harmonics Clamp Tester

- 3 3/4 digits LCD display with max. reading of 4000
- Measures harmonics voltage and harmonics current
- flow up to the 25th harmonic
- True-rms AC current 400mA to 300A
- True-rms AC voltage 400mV to 400V
- Resistance up to 4000 $\Omega$
- Auto power off



W 59-06-0301

Digital harmonics tester

## HWT-1000

### HARMONICS TESTER

- Measure voltage/current, active/reactive power, phase/power factor
- Both analog and digital display available
- Waveform display is also available
- Harmonic component analysis
- AC current 0.5A ~ 300A (resolution up to 0.1mA)
- AC voltage 150V ~ 500V (resolution up to 0.1V)
- Range of analyzed orders up to 40th harmonics
- Support data-process via RS-232c



W 59-06-1000

Insulation resistance tester

## MIS-3D

### Digital Insulation Resistance Tester

- 3 1/2 digits LCD with bargraph display
- Insulation resistance: 250V/50M $\Omega$ , 500V/100M $\Omega$ , 1000V/2000M $\Omega$
- AC voltage up to 600V
- Auto power off
- Data hold



W 59-06-3004

Insulation resistance tester

## MIS-4A

### Analog Insulation Resistance Tester

- Analog display
- Insulation resistance: 250V/50M $\Omega$ , 500V/100M $\Omega$ , 1000V/2000M $\Omega$
- AC voltage up to 600V
- Auto power off
- Data hold



W 59-06-4001

Digital arrester tester

## ALCL-40

### LEAKAGE CLAMP METER FOR ARRESTER

- Jaw opening capacity:  $\Phi 40\text{mm}$
- Digit LCD Display with max. reading of 3,200
- Measuring leakage current, harmonic current (dominant & 3rd wave)
- AC current range 300mA ~ 30mA
- Data Hold
- Power Supply: 2A Alkaline battery x 4
- Dimensions: 68W x 207H x 33D mm



W 59-06-0040

AC high insulation clamp tester

## HCL-9000S

### DIGITAL CLAMP TESTER

- Jaw opening capacity:  $\Phi 35\text{mm}$
- 3 1/2 digits LCD Display with max. reading of 1,999
- AC current range 0~20A / 600A
- Resolution 0.01A / 1A
- Data Hold
- Power Supply: AAA batteries x 5
- Size: 70 x 550 x 48 (W x H x D) mm
- 70 x 1110 x 48 (when stretched) mm



W 59-06-9002

Digital Multimeter

## MCD-006

### Pocket Type Digital Multimeter

- 3 3/4 digits LCD display with max. reading of 3200
- DC voltage 320mV to 500V
- AC voltage 3.2V to 500V
- Resistance 320 $\Omega$  to 32M $\Omega$
- Diode, Continuity test
- Auto power off
- Data hold



W 59-06-0006



Digital Multimeter

**MCD-107**
**Pocket Type Digital Multimeter**

- 3 3/4 digits LCD display with max. reading of 4000
- DC voltage 400mV to 500V
- AC voltage 4V to 500V
- Resistance 400Ω to 40MΩ
- Capacitance 40nF to 100uF
- Frequency 9.999Hz up to 99.99kHz
- Duty cycle, Diode, Continuity test
- Auto power off


**W** 59-06-0107

Digital Multimeter

**MCD-010**
**Pocket Type True-RMS DMM**

- 3 3/4 digits LCD display with max. reading of 3200
- DC voltage 320mV to 500V
- True-rms AC voltage 3.2V to 500V
- Resistance 320Ω to 32MΩ
- Diode, Continuity test
- Auto power off
- Data hold


**W** 59-06-0010

Voltage detector

**V-550**
**Voltage Detector**

- LCD display of voltage with voltage detective function (beeper sound).
- Measure voltage from the cover of conductor (estimated value).
- Accurate & safety measurement on the bare terminal
- Max. measuring voltage: AC500V
- Data hold


**W** 59-06-0550

MADE IN TAIWAN



- 電源鉗錶、顯示及控制儀錶
- 數字量萬用表
- 相位測試儀
- 頻率計數器
- 溫度計
- 濕度計
- 風速計
- 轉速計
- 閃頻儀
- 照度計
- UV 照度計
- 聲級計
- 推拉力計及扭力計
- 振動力計、壓力計
- 壓力傳感器
- 水份測量計
- PH 酸鹼度錶
- 氧氣量錶
- 導電錶
- 水測試儀
- 校正儀、電磁波干擾測試、電容錶
- LCR電橋錶
- 毫歐姆錶及功率錶
- 絕緣計、RCCB漏電測試計
- 數字量式示波器

Anemometers 風速計

## AM-4200

風速錶 一年保養

- 0.8 to 30.0 m/s, ft/min., km/h, knots.
- Pocket size, economical cost.
- Low-friction ball-bearing vane.
- 131 x 70 x 25 mm, Sensor - 72 mm dia.
- Separate probe, high reliability.



W 59-05-4200

Anemometers 風速計

## AM-4201

風速錶 一年保養

- 0.4 to 25.0 m/s, m/s, ft/min, km/h, knots, Data hold, 18 mm LCD
- Low-friction ball-bearing vane



W 59-05-4201

Anemometers 風速計

## AM-4202

風速錶(連溫度) 一年保養

- 0.4 to 25.0 m/s, m/s, ft/min, km/h, knots, Temperature, Data hold, 18 mm LCD
- Low-friction ball-bearing vane



W 59-05-4202

Anemometers 風速計

## AM-4203

風速/溫度錶 一年保養

- -P circuit, 0.4 to 25.0 m/s.
- Max., Min., Memory recall button.
- m/s, ft/min, km/h, mile/h, knots, Temp.(°C/°F).
- Size : 180 x 72 x 32 mm. RS-232.



W 59-05-4203

Anemometers 風速計

## AM-4204

風速/溫度錶(超小型測試頭) 一年保養

- HOT WIRE ANEMOMETER
- 0.2 - 20.0 m/s, high precision for low air velocity measurement, Telescope probe.
- m/s, ft/min, km/h, knots, mile/h, °C/°F.
- Max., Min., Data hold, RS-232.



W 59-05-4204

Anemometers 風速計

## AM-4205A

電氣測量萬用表

- Anemometer : 0.4 to 25.0 m/s, m/s, ft/min., km/h, mile/h, knots, Temp.
- Humidity meter / %RH : 10 to 95 %RH
- Humidity/Temp. : -10 to 50 °C, °C/°F
- Type K thermometer : -50 to 1300 °C, °C/°F.
- Type J thermometer : -50 to 1100 °C, °C/°F.
- Max., Min., data hold, RS-232 interface



W 59-05-4205

Anemometers 風速計

## AM-4206

風流/速錶(連溫度) 一年保養

- ANEMOMETER, air flow + air velocity
- CMM (m3/min.), CFM (ft3/min.)
- m/s, ft/min, km/h, mile/h, knots,
- Temp.(°C/°F)
- 0.4 to 25.0 m/s., -P circuit
- Max., Min., Memory recall button
- Size : 180 x 72 x 32 mm. RS-232



W 59-05-4206

Anemometers 風速計

## AM-4206M

風流/速錶(金屬扇葉)(連溫度) 一年保養

- ANEMOMETER, metal vane, air flow
- Range : 0.5 to 35.0 m/s
- CMM (m3/min.), CFM (ft3/min.)
- Other function are same as AM-4206, use metal vane probe, heavy duty.



W 59-05-1206

Anemometers 風速計

## AM-4216

風速/風流錶(小風扇型測試頭) 一年保養

- ANEMOMETER, mini vane, CMM, CFM
- Function same as AM-4213 but with CMM (m3/min.), CFM (ft3/min.)



W 59-05-4216



Calibrator 校正儀

## CC-421

Voltage/Current Calibrator 一年保養

- Current source : 0 to 24 mA, 2 ranges.
- Current measurement : 0 to 24 mA, 2 ranges.
- Power (12 V) and current measurement of two wire loop : 0 to 24 mA, 2 ranges.
- DC mV source : -199.9mV to +199.9mV.



W 59-05-0421

Conductivity Meter

## CD-4301

CONDUCTIVITY METER

- 4 ranges: 200 S, 2mS, 20mS, 200mS
- Automatic temperature compensation



W 59-05-4301

Data Logger

## DL-9601A

Data Logger for instruments w/ RS232 interface

- Build in the RS232 interface, it can store 8000 measurement data along with time information.
- Sampling time preset from 1 sec. to 8 hours.
- Auto or manual data logger.
- Save data with real time (year, month, date, hour, minute, second).
- LCD display.



W 59-05-9602

Digital Multimeter 數字萬用錶

## DM-9023

電容錶 一年保養

- CAPACITANCE METER
- 9 ranges, 200pF, 2nF, 20nF, 200nF, 2 F, 20 F, 200 F, 2000 F, 20000 F.
- Rotary switch, 18 mm LCD, Max. 1999.
- Size : 185 x 87 x 39 mm.



W 59-05-9023

Digital Multimeter 數字萬用錶

## DM-9073

電感電容電阻錶 (LCR) 一年保養

- Intelligent microprocessor circuit, professional.
- L : 5 ranges, 2 mH to 20 H.
- C : 7 ranges, 2 nF to 1000 F.
- R : 6 ranges, 200 ohm to 20M ohm.
- % Alarm setting for components check.
- Memory record, RS-232.
- Size : 204 x 90 x 36 mm.



W 59-05-9073

Oxygen Meter

## DO-5510

氧份錶 一年保養

- P circuit, LCD with display unit.
- Dissolved oxygen range : 0 to 20 mg/L.
- Max., Min., Memory recall button.
- DO, Oxygen in air, Temp., ATC, Auto Cal., % salt.
- Diaphragms & electrolyte included.
- Probe head with diaphragm set and electrolyte are included.



W 59-05-5510

Tachometers 轉速錶

## DT-2234BL

TACHOMETER, Laser Photo type

- Long detecting distance for photo Tach. Up to 2 meters.
- Photo Tach. : 10 to 99,999 RPM
- Accuracy : (0.05 % + 1 d).
- Size: 190 x 73 x 37 mm.



W 59-05-2234

Tachometers 轉速錶

## DT-2236

轉速錶 (接觸式/光反射式) 一年保養

- PHOTO/CONTACT TACHOMETER
- Photo Tach. : 5 to 100,000 RPM
- Contact Tach. : 0.5 to 19,999 RPM.
- Surface speed : m/min, ft/min.
- Size : 215 x 65 x 38 mm.



W 59-05-2236

Stroboscopes 頻閃測速儀

## DT-2259

轉速錶/頻閃測速儀 一年保養

- Tachometer combine Stroboscope. 2 in 1.
- Photo Tach. : 5 to 99,999 RPM.
- Stroboscope : 100 to 100,000 FPM/RPM.
- 4 x 1.5 V, AA(UM-3) battery power.
- Size : 215 x 65 x 38 mm



W 59-05-2259

Stroboscopes 頻閃測速儀

## DT-2269

頻閃測速儀 (5-12500RPM)

- Digital Stroboscope, RS-232 + push button adj.
- Range: 5 to 12,500 RPM.
- RPM setting by push button.
- External trigger signal input for simultaneous testing and measurement.
- Xenon flash tube, Display : 14 mm red LED.
- RS-232 computer interface.



W 59-05-2269

Watt Meters 功率錶

## DW-6090

Power Analyzer 一年保養

- Bench type
- Large LCD, multi-displays.
- True rms for WATT, ACV, ACA.
- Watt, VA, Power factor, ACV, ACA, VAr, Whr, DCV, DCA, ohms, RS-232.
- Accept current probe & CT input. Battery power.



W 59-05-6090

Watt Meters 功率錶

## DW-6091

Power Analyzer 一年保養

- Large LCD, multi-displays.
- True rms Watt, VA, Whr, power factor Hz, ACV, ACA, RS232 interface.
- Accept external CT input.
- Battery power.



W 59-05-6091

Calibrator 校正儀

## EMF-822A

EMF Meter 一年保養

- Electromagnetic field radiation tester.
- 20 micro Tesla x 0.01 micro Tesla
- 200 milli Gauss x 0.1 milli Gauss
- Display : 13 mm LCD. Pocket size.
- Size : 131 x 70 x 25 mm



W 59-05-0822

Calibrator 校正儀

## EMF-827

EMF Meter 一年保養

- Electromagnetic field tester
- Range : 20/200/2,000 micro Tesla
- 200/2000/20,000 milli-Gauss.
- Separate probe.
- Size : 163x70x30 mm.



W 59-05-0827

Frequency Counter 頻率計

## FC-2700

2.7GHz 頻率計 一年保養

- 2.7 GHz Frequency Counter, Bench type
- 3 ranges, 2700 MHz, 100 MHz, 10 MHz.
- Frequency, Period, Hold, Relative, RS232.
- TCXO O.S.C., Max., Min., Average, LCD display.
- Size : 280 x 210 x 90 mm. Battery power.



W 59-05-2700

Force Gauge

## FG-5100

DIGITAL FORCE GAUGE (100Kg) 推拉力計

- 100 Kg, Kg/LB/Newton.
- Positive/ Reverse display.
- 4 digits LCD with back light.
- RS-232 computer interface.
- Separate sensor, heavy duty.
- DC 1.5V battery (UM-3, AA) x 6 or DC 9V adapter in.



W 59-05-5100

Ultrasonic Detector

## GS-5800

Ultrasonic Detector +(GS-400) 一年保養

- Application : Air leaks around door & window gaskets & seals, Conduit & pipe identification, Windshield leaks...
- Bar LED to show the leakage level



W 59-05-5800

Humidity Meter 濕度計

## HT-3006HA

濕度/溫度錶 一年保養

- HUMIDITY/TEMP. METER, + type K/J Temp.
- Humidity meter/%RH : 10 to 95 %RH.
- Humidity meter/Temp. : 0 to 50.0 °C, °C/°F.
- Type K Thermometer : -50 °C to 1300 °C.
- Max., Min., data hold.



W 59-05-3006

Thermometer 溫度計

## HT-3015

Humidity and Temperature Meter with Datalogger

- Measurement : Humidity, Temp., Dew point
- Resolution : 0.01 %RH, 0.01 degree
- 1000 data logger no., RS232 interface
- Optional data transmission software, SW-DL2005.
- Fast response time, separate probe.
- LCD display, 006P DC 9 V battery.



W 59-05-0315

Humidity Meter 濕度計

## HT-3015HA

濕度/溫度錶 一年保養

- Max., Min., Memory recall button.
- 10% - 95% RH, 0 - 50.0 °C, °C/°F.
- Measurement : Humidity, Temp., Dew point
- Resolution : 0.01 %RH, 0.01 degree.
- Fast response time, Separate probe.
- LCD display, 006P DC 9 V battery.
- Size : 185 x 78 x 38 mm.



W 59-05-3015

Humidity Meter 濕度計

## HT-305

溫濕露點計

- Pocket Humidity Meter, economical type
- Measurement : Humidity, Temp., Dew point
- Fast response time.
- Humidity : 10 to 95 %RH , Temp.: 0 to 50 °C.
- Resolution : 0.1 %RH, 0.1 degree.
- Separate probe.



W 59-05-0305

Anemometers 風速計

## LM-8000

多功能環境測試儀(光,風,濕,溫) 一年保養

- Anemometer, Humidity meter, Light Meter, Type K Thermometer
- Humidity : 10 to 95 %RH, °C/°F
- Anemometer : 0.4 to 30.0 m/s.
- Anemometer unit : m/s, km/h, MPH, knots, ft/min, °C/°F
- Light : 0 to 20,000 Lux, 0 to 1,680 Ft-cd, auto range



W 59-05-8000

Anemometers 風速計

## LM-81AM

風速/溫濕度/溫度計

- Measuring range : 0.4 to 30.0 m/s
- Unit : m/s, km/h, MPH, knots, ft/min
- Data hold, Record (Max., Min.)
- Tiny bone shape with light weight and small size



W 59-05-8101

Humidity Meter 濕度計

## LM-81HT

溫濕度計,迷你型

- Humidity : 10 to 95 %RH.
- Temperature : 0 to 50.0 °C, °C/°F
- Data hold, Record (Max., Min.)
- Tiny bone shape with light weight and small size.



W 59-05-8104

Light Meter 光度錶

## LM-81LX

照度計,迷你型

- Light meter
- 2,000 Lux, 20,000 Lux, auto range.
- 200 Ft-cd, 2,000 Ft-cd, auto range.
- Lux/Ft-cd unit select, zero adjust.
- Data hold, Record (Max., Min.).
- Tiny bone shape with light weight and small size.



W 59-05-8103

Light Meter 光度錶

## LX-101

光度錶 (Lux) 一年保養

- Light meter, pocket
- 2,000/20,000/50,000 Lux, Zero adj.
- 2 filters, spectrum meet C.I.E.



W 59-05-0101

Light Meter 光度錶

## LX-102

光度錶 (Lux/Fc) 一年保養

- Light meter, analog output
- 2,000/20,000/50,000 Lux, Foot-candle.
- 2 filters, spectrum meet C.I.E.



W 59-05-0102

Light Meter 光度錶

## LX-103

光度錶 (Lux/Fc) 一年保養

- Light meter
- Lux : 0 to 50,000 Lux (3 ranges), Ft-candle : 0 to 5,000 Fc (3 ranges).
- Sensor meet C.I.E. photopic spectrum.
- 2 filters, high quality.
- External offset Adj.
- Size : 131 x 70 x 25mm.



W 59-05-0103

Light Meter 光度錶

## LX-105

光度錶 (Lux/Fc) 一年保養

- Light meter
- P circuit, 2,000/20,000/50,000 Lux.
- Max., Min., Memory recall button.
- Lux, Ft-candle, % values, wide range.
- 4 light type select by push button.
- Size : 180 x 72 x 32 mm. RS-232.



W 59-05-0105

Light Meter 光度錶

## LX-107

光度錶 (Lux/Fc) 一年保養

- Light meter
- P circuit, 2,000/20,000/50,000 Lux.
- Max., Min., Memory recall button.
- Lux, Ft-candle, % values, wide range.
- 4 light type select by push button.
- Size : 180 x 72 x 32 mm.



W 59-05-0107



Humidity Meter 濕度計

## MS-7000

木材內含濕度錶 一年保養

- Range : 9% to 30% moisture content
- 9 material species groups in memory
- Max., Min., Data hold, Self-calibration
- Size : 180 x 72 x 32 mm. RS-232



W 59-05-7000

Humidity Meter 濕度計

## MS-7002

木材/混凝土濕度錶 一年保養

- CONCRETE / WOOD MOISTURE METER
- Range : 9% to 30% moisture content
- 9 material species groups in memory
- Max., Min., Data hold, Self-calibration
- Size : 180 x 72 x 32 mm. RS-232.



W 59-05-7002

Thermometer 溫度計

## ORP-14

Orp electrode

- Professional ORP electrode with high accuracy and extreme reliability.
- Expoxy body, with BNC connector.
- Size : 12.5mm Dia. x 120 mm.



W 59-05-0014

PH Meter 酸鹼度錶

## PE-01

酸鹼度電極測試棒 (Electrode)(PH-207/201專用)

- Professional, Laboratory, high quality & field usage
- 0 to 14 pH
- Epoxy body with BNC connector
- Size : 9.5 mm Dia. x 130 mm



W 59-05-0001

PH Meter 酸鹼度錶

## PE-03

酸鹼度電極測試棒 (PH-201/207/208專用)

- General purpose, cost effective.
- 1 to 13 pH (typical 0 to 14 pH).
- Epoxy body, w/BNC connector.
- Body size : 12.3 mm Dia. x 160 mm.



W 59-05-0003

PH Meter 酸鹼度錶

## PE-11

酸鹼度電極測試棒 (PH-201/207/208專用)

- General purpose, high quality, cost effective.
- 1 to 13 pH ( typical 0 to 14 pH ).
- Epoxy body, w/BNC connector.
- Size : 10 mm Dia. x 128 mm.



W 59-05-1011

PH Meter 酸鹼度錶

## PH-207HA

酸鹼度/溫度測試錶 w/o probe(PE-1)

- Mini PH METER
- 0 to 14 pH x 0.01 pH.
- P circuit, LCD with annunciator.
- Max., Min., Memory recall button.
- pH, mV, Temp., manual Temp. Adj. or ATC.



W 59-05-1207

PH Meter 酸鹼度錶

## PH-201

酸鹼度 w/o probe(PE-1) 一年保養

- PH meter, pocket
- 0 to 14 pH x 0.01 pH
- Economical type
- Pocket size
- Accuracy : 0.1 pH (pH 4 - pH 10)
- Display : LCD, 13 mm digit size
- Size: 131 x 70 x 25 mm



W 59-05-0201

PH Meter 酸鹼度錶

## PH-208

酸鹼度+導電度計(RS-232)

- pH : 0 to 14.00 , 1999 mV
- mV function for ORP electrode
- Manual temperature compensation
- ATC via optional Temp. probe ( TP-07 )
- Easy pH calibration procedures.
- RS232, Hold, Record ( Max., Min. ), °C/°F.
- Size : 195 x 68 x 30 mm.



W 59-05-0208

Manometer 壓力計

## PM-9100HA

Manometer differential input

- Dual & differential input, 2000 mbar x 1 mbar.
- mbar, PSI, Kg/cm2, inch/Hg, mm/Hg, inch/H2O, meter/H2O, Atmosphere.
- Data hold, Memory (Max., Min.).
- Application : Industrial, laboratory, schools, heating, ventilation, hospital, medical...



W 59-05-9100

Pressure Meter

## PS-9302-PS100-50 BAR

壓力/真空錶 一年保養

- Meter connects with 2, 5, 10, 20, 50, 100, 400 bar sensor, no calibration procedures are necessary when change a new sensor.
- Bar, PSI, Kg/cm2, inch/Hg, mm/Hg, inch/H2O, meter/H2O, Atmosphere.
- Data hold, Memory (Max., Min.), RS232.
- Size : 180 x 72 x 32 mm.



W 59-05-9301

3 Phase rotation tester

## RT-608

3 PHASE & MOTOR ROTATION TESTER 一年保養

- 2 in 1, 3 phase rotation tester & combine with motor rotation tester.
- Power supply : DC 9V.
- Structure : Electronic (not mechanical).



W 59-05-1608

Sound Level Meter 聲量計

## SL-4001

聲量計 一年保養

- Frequency & time weighting meet IEC 61672 class 2.
- A, C weighting, Max. hold, Data hold, fast/slow time weighting, AC/DC output.
- Range : 3 ranges, 30 to 130 dB.
- Size : 245 x 80 x 35 mm.



W 59-05-4001

Sound Level Meter 聲量計

## SL-4011

聲量計 一年保養

- Frequency & time weighting meet IEC 61672 class 2.
- A, C weighting, Max., Data hold, fast/slow time weighting.
- AC/DC output, Max. Hold.
- Reset button for Max. hold.
- Range : 3 ranges, 35 to 130 dB.
- Size : 250 x 83 x 32 mm.



W 59-05-4011

Sound Level Meter 聲量計

## SL-4012

Sound Level Meter

- 30 - 130 dB, Auto range, Manual range.
- Frequency & time weighting meet IEC 61672 class 2.
- A & C frequency weighting.
- Fast / Slow time weighting, Data hold.
- Peak hold, Memory (max., min.)
- AC output & RS-232.



W 59-05-4012

Sound Level Meter 聲量計

## SL-4013

分體式聲量計

- 30 to 130 dB, Auto range, RS-232
- 180° rotary sensor shelf.
- Same function as SL-4012.
- Separate probe optimum for remote measurement and low noise environment test.



W 59-05-4013

Sound Level Meter 聲量計

## SL-4022

聲量計 IEC651 type I

- Frequency & time weighting meet IEC 61672 class 1.
- 30 to 130 dB, 3 ranges, Max. hold, Data hold.
- A/C frequency weighting, F/S time weighting.
- AC output, Internal 94 dB calibration.



W 59-05-4022

Thermometer 溫度計

## TM-906A

溫度錶 (2輸入)(0.1/1°C) 一年保養

- DUAL THERMOMETER, RS-232
- P circuit, LCD with display unit.
- Range : -200 to 1370 °C.
- Max., Min., Memory recall button.
- °C/°F, 0.1o/1o, T1, T2, T1-T2.
- Size : 180 x 72 x 32 mm. RS-232.



W 59-05-0906

Thermometer 溫度計

## TM-907

溫度錶 (高分析度0.01°C) 一年保養

- Cooperate with PT 100 ohm probe, high accuracy.
- Max. measurement range -199.99 °C to 850 °C.
- 0.01/0.1 °C resolution, Memory, °C/°F select.
- 180 x 72 x 32 mm. RS232.



W 59-05-0907

Thermometer 溫度計

## TM-939

紅外線溫度計 -20~620°C 1:7

- High Temp. IR THERMOMETER + type K/J/R/E/T
- IR Range : -20 to 650 °C (-4 to 1202 °F), °C/°F.
- IR emissivity adjustable 0.20 to 1.00.
- IR with Laser target guide, RS-232.
- Type K : -100 to 1300 °C, 0.1 °C/0.1 °F.
- Size : 220 x 68 x 30 mm.



W 59-05-0939

Thermometer 溫度計

## TM-949

紅外線溫度計 -20~620°C 1:7

- 650°C+ type K/J/R/E/T 3 in1
- High Temp. IR THERMOMETER, wide range
- IR Range : -20 to 650 °C (-4 to 1202 °F), °C/°F.
- IR emissivity adjustable 0.20 to 1.00
- IR with Laser target guide.
- RS-232 computer interface.



W 59-05-0949

Thermometer 溫度計

## TP-07

溫度測試棒 (ATC型)(PH-207專用)

- The optional Temp. probe for PH-207
- Thermistor sensor, 0 to 60 °C.



W 59-05-0007

Thermometer 溫度計

## TP-100

Temp Probe for TM-907

- The exclusive Pt 100 ohm precision Temp. probe
- Sensor type : Pt 100 ohm.
- Range : -50 to 400 °C.



W 59-05-0100

Torque Meter

## TQ-8800

扭力計 15 Kg-cm Torque Meter

- Professional torque meter with separate probe.
- 15 Kg-cm torque sensor included.
- 3 units : 15 Kg-cm/13 LB-inch/147.1 N-cm.
- Peak, Data hold, Zero, Max./ Min., Fast/Slow.
- Size : 180 x 72 x 32 mm. RS-232.



W 59-05-8800

UV Light Meter 紫外光強度錶

## UV-340

紫外光強度錶 一年保養

- UV LIGHT METER, pocket
- Spectrum : 290 nm -390 nm
- Application : UVA & UVB measurement.
- 2 ranges : 1999 W/cm² x 1W/cm² 19990 W/cm² x 10 W/cm²
- Pocket size.
- Seperate probe easy operation.



W 59-05-0340

UV Light Meter 紫外光強度錶

## UVA-365

紫外光強度錶(mV/cm²) 一年保養

- UVA light meter, RS-232
- UVA Ultra-Violet radiometer.
- 3 ranges :
- 199.9 W/cm² x 0.1 W/cm²
- 1.999 mW/cm² x 0.001 mW/cm²
- 19.99 mW/cm² x 0.01 mW/cm²
- Data Hold.
- RS232 computer interface.
- Max., Min., Memory recall button



W 59-05-0365

UV Light Meter 紫外光強度錶

## UVC-254

紫外光強度錶 一年保養

- UVC LIGHT METER, RS-232
- UVC Ultra-Violet radiometer
- 3 ranges :
- 199.9 W/cm² x 0.1 W/cm²
- 1.999 mW/cm² x 0.001 mW/cm²
- 19.99 mW/cm² x 0.01 mW/cm²
- Data Hold.
- RS232 computer interface.
- Max., Min., Memory recall button.



W 59-05-0254

Manometer 壓力計

## VC-9200

Vacuum Meter 一年保養

- 1125 torr x 1 torr, 1500 mbar x 1 mbar.
- Units : torr, mm Hg, micron, KPa, Pa, inch Hg, psi.
- RS232, Hold, Record ( Max., Min.)
- Heavy duty vacuum sensor
- used for air, oil gas...
- Application : Automobile, Industrial, laboratory, heating, ventilation, medical hospital...



W 59-05-9200

Water Tester 水測試儀

## WA-300

Pure Water Tester

- Water conditioning, home, aquariums, food processing, photography, school, laboratory, industry & quality control.
- Check the condition of water filter.
- Measurement : 0 to 1999 S.



W 59-05-5300

Water Tester 水測試儀

## YK-30WA

Pure Water Tester

- Application: Water conditioning, home, aquariums, food processing, photography, school, laboratory, industry & quality control.
- Check the condition of water filter.
- Measurement : 0 to 1999 S.
- 21.5 mm digit height, Data hold.



W 59-05-8301



Anemometers 風速計

## YK-80AM

Anemometer ( metal vane ) Temp.

- Anemometer, Humidity meter, Light Meter, Type K Thermometer
- Humidity : 10 to 95 %RH, °C/°F
- Anemometer : 0.4 to 30.0 m/s.
- Anemometer unit : m/s, km/h, MPH, knots, ft/min, °C/°F.
- Light : 0 to 20,000 Lux, 0 to 1,680 Ft-cd, auto range.
- Data hold, Record (Max., Min.)



W 59-05-8001

Anemometers 風速計

## YK-80AP

Anemometer Temp., RS-232, Hold, Record

- m/s, ft/min, km/h, knots, mile/h
- Temperature : °C/°F
- RS232, Hold, Record (Max., Min.)



W 59-05-8012

Humidity Meter 濕度計

## YK-90HT

Humidity Meter

- HUMIDITY METER, data logger, RS232
- Humidity, Temp., Dew point
- Humidity range : 10 % to 95 % R.H
- Temp. range : 0 °C to 50 °C, 32 °F to 122 °F
- 0.01 %RH, 0.01 degree
- 1000 data logger point
- Optional data transmission software, SW-DL2005
- Fast response time



W 59-05-9014

"德國德圖集團公司（testo AG），作為全球領先的可携式測量儀器製造商，憑藉多年累積的豐富的測量經驗和獨到的解決方案，以及精湛的測量技術，為各行各業節能目標的實現提供廣泛的測量儀器系列、專業的技術支援、和完善的維修保養服務。"



### Flue Gas Analyser

Measure pressure and CO  
Memory for 20 measurement blocks



### Infrared Thermometer

Product Code: 59-19-8266  
Testo 826-T2



### Differential Pressure Meter

Product Code: 59-19-0510  
Testo 510



### Velocity / Temperature / Humidity Meter

Product Code: 59-19-4102  
Testo 410-2



### Hygrometer, Humidity / Dew Point Temp

Product Code: 59-19-6081  
Testo 608-H1



### Sound Level Meter

Testo 815



### RPM Meter

Product Code: 59-19-0460  
Testo 460



### Lux Meter

Product Code: 59-19-0540  
Testo 540



### Data Logger

Testo 175-T3



### Thermal Anemometer

Product Code: 59-19-4250  
Testo 425 (Plastic Telescopic)  
Product Code: 59-19-4251  
Testo 425 (Steel Telescopic)



### Humidity/Temperature Meter

Product Code: 59-19-0610  
Testo 610



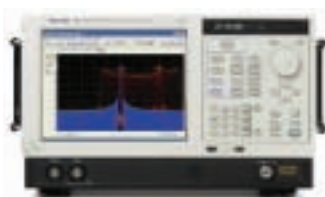
### Multi-functional meas. Instrument

Product Code: 59-19-4351  
Testo 435





Oscilloscopes



Spectrum Analyzers



Logic Analyzers



Signal Generators



Probes & Accessories



Current Probe



Handheld Oscilloscope

## 熱門型號推介



**Tektronix TDS-1001B**  
Product Code: 72-35-1001  
40 MHz LCD示波器 (永久保養)



**Tektronix TDS-1002B**  
Product Code: 72-35-4002  
60MHz LCD示波器 (永久保養)



**Tektronix TDS-2012B**  
Product Code: 72-35-2112  
100MHz 彩色LCD示波器 (永久保養)



**Tektronix TDS-2022B**  
Product Code: 72-35-3022  
200MHz 彩色LCD示波器 (永久保養)



**Tektronix TDS-2024B**  
Product Code: 72-35-3024  
200MHz 4通道彩色LCD示波器 (永久保養)

日本 (SANWA) 三和電氣計器株式會社，製造銷售數位萬用表、類比萬用表、鉗型表、絕緣電阻計、溫度計、轉速表、接地電阻計、鐳射功率表等，銷售至全球50多個國家。

- Digital Multimeter
- Analog Multitester
- Clamp Meter
- Insulation Resistance Tester
- Earth Tester
- Laser / Optical Power Meter
- Lux Meter
- Thermometer
- Tachometer Index
- Cord Tester
- Phase Detector
- PC Link System



Made in Japan

Since it's founding in 1940, Kyoritsu has made customer satisfaction and providing high quality products and services our top priorities. Our wide line of testers has contributed to technological developments and industrial infrastructures worldwide.

Multimeter | Voltage Tester | Clamp Meter | Clamp Adaptor  
Multi-Trans, Energizer | Logger | Insulation Tester  
Earth Tester | Loop/PSC Tester | RCD Tester | Multi Function Tester  
Combi Tester | Portable Appliance Tester | Power Meter







**Power Supply**  
**6000 Digital Display Models**

**Specification:**

0-60V/0-3A x 2; 5V/5A Triple



**Topward 8130 Function Generator**

Product Code: 72-31-8130

**Specification:**

Waveforms: Sine, square, triangle, ramp, pulse

Amplitude: 20Vp-p

Frequency Range: 0.1Hz to 5MHz in 7 ranges



**Topward 1220 Frequency Counter**

**Specification:**

Frequency Range: 0.1Hz to 3GHz

Display Digits: 8 Digits 0.5" Green LED Displays

Frequency measurement: 0.1Hz to 100MHz (direct),  
100MHz to 3GHz (pre-scale)



**Topward 1330 Digital Multimeter**

**Specification:**

Measure AC/DC voltage, current

Ohm measurement, diode test



**Topward 1310 Digital Watt Ammeter**

**Specification:**

Watt measurement: 19.99W, 199.9W, 1999W

Measure AC voltage, current



**Analog Oscilloscopes 7000A Series**

**Specification:**

20MHz/40MHz/60MHz/100MHz Dual Trace

Hold Off Function

X-Y Operation

固緯電子自1975年創立迄今，深感於創新的重要性，每年以投入營收的7%作為研發費用來培養創新能力，擁有台灣第一的數位儲存示波器及3GHz高階頻譜分析儀頂尖技術，除精於綜合電子量測儀器產業，更朝向高規格公共安全監控系統的領域發展，架構全球生產分工機制，提供高效率、高品質的產品滿足顧客需求。

**主要營業項目**

1. 測試儀器：(A)示波器 (B)頻譜分析儀 (C)信號源 (D) 電源供應器(E)基礎量測儀器 (F)環境測試設備
2. 通信產品：(A)安全監控系統 (B)公共廣播系統 (C)視訊監控系統

**Oscilloscope****Spectrum Analyzer****Function Generator****Power Supply****Multimeter****Components & Safety Tester****Logic Analyzer**



TEXIO CORPORATION concentrated on manufacturing and sales for industrial electronic test instruments, such as DC power supplies, oscilloscopes, etc. since becoming independent from Kenwood Corporation in July, 1996.



**Audio Analyzer**

W 72-15-2230

VA-2230A



**Oscilloscope**

W 72-15-5400

CS-5400



**Standard Signal Generators**

SG-5150



**DC Power Supply**

PAR18-6A



**Audio Signal Generators**

AG-203E



**Color Pattern Generators**

CG-935N

# Test & Measurement (Network)



W 88-20-2690



W 88-20-1009



W 88-20-0300

Model No.	TCT-2690	TCT-009	TCT-3000
Description	Ampsun TCT-2690 LCD Cable Length Tester	GoldTool TCT-009 PRO LAN Cable Tester	GoldTool TCT-3000 WiFi Detector
Features	Cat. 5e & 6 twisted pair tester TDR measure length and distance Determine open circuit, short circuit, cross wire	<ul style="list-style-type: none"> <li>- Test device used UTP and STP wiring</li> <li>- Check continuity and configuration of wiring with unshielded and shielded modular plugs</li> <li>- Tests for open circuits, shorts, reversals and split pairs</li> <li>- Shield detected tests a cable's shield integrity</li> <li>- Debug quickly identifies which cable pairs have a specific wiring fault</li> <li>- Battery low LED indicates replacement is necessary</li> </ul>	<ul style="list-style-type: none"> <li>- Eliminate wasted time and effort booting up the Notebook or PDA to find hot spots</li> <li>- Push the button to activate about 60 seconds of detecting time</li> <li>- Up to 50 meters detecting distance</li> <li>- Three LEDs indicate signal strength</li> </ul>



W 88-20-3200



W 88-20-0401 / 1400



Model No.	TCT-3200	TCT-400 / TCT-1400
Description	GoldTool TCT-3200 WiFi & SPY Finder	GoldTool TCT-400 One for All Network Kit w/25pcs ID Finder / Punktal TCT-1400 One for All Network Kit w/Probe & 25pcs ID Finder
Features	<ul style="list-style-type: none"> <li>- Dual-function – Wifi &amp; Spy Finder</li> <li>- Exactly the same functions with TCT-3000</li> <li>- Find and locate nearly wireless hidden cameras</li> <li>- Push the button to activate about 45 seconds of detecting time</li> <li>- Up to 50 meters detecting distance</li> <li>- Three LEDs and a beeping sound will lead to where the camera is</li> </ul>	<ul style="list-style-type: none"> <li>- Combines tone generator, of fice ID check, network tester, and pin-by-pin cable tester</li> <li>- Remote unit for pin-by-pin tests of patch cable or installed cable</li> <li>- Office / port ID checkers establishes ID number up to 100 networks or patch panel outlets without labels</li> <li>- Can give type and speed of both active and inactive network devices</li> <li>- Tone generator tracing cable and pinpointing fault locations easy</li> <li>- Network tester blinks the hub or switch port light for easy port # identification, and displays network activity and speed</li> <li>- Compact, lightweight, and portable</li> <li>- Line voltage tester prevents damage to equipment</li> <li>- Handy ID rack keeps remote ID terminators safe and ready to hand</li> </ul>



W 88-20-1620



W 88-20-1901 / 1902

Model No.	TCT-1620	TCT-1900-RD / TCT-1900-BL
Description	Punktal TCT-1620 Remote Cable Tester RJ45/11/USB/1394/BNC	Punktal TCT-1900-BL Lineman's Test Set Red / Blue Color
Features	<ul style="list-style-type: none"> <li>- Tests for 5 types of cables – RJ-45/RJ-11/BNC/1394/USB</li> <li>- Checks for continuity, miswiring, opens, shorts, crossover, and grounding</li> <li>- Tests installed wiring or patch cables</li> <li>- 600' test distance (RJ-45, RJ-11 &amp; BNC)</li> <li>- LEDs indicate connections an faults</li> <li>- Beeper provides audible annunciation of test results</li> <li>- Tests shields in 1394 and USB cables</li> <li>- Tests shielded (STP) or unshielded (UTP) Lan Cables</li> <li>- Included: PUNKTAL, BNC terminator, RJ-45 jumper cable, carrying case, 9V battery and instruction manuel</li> </ul>	<ul style="list-style-type: none"> <li>- Talk/Ring/Monitor three kinds of tests function</li> <li>- Switchable tone or pulse dialing</li> <li>- The Hi impedance monitor will not disturb data, conversation or signaling</li> <li>- LED indicates reversed polarity</li> <li>- Last number redial (31 digits maximum)</li> <li>- Protection against excessive voltage, transients ringer signals, and direct connection to most batteries and power supplies</li> <li>- Volume Control-3 position control for up to 12 dB of gain</li> <li>- Spring loaded belt clip can be mounted for carry easily</li> <li>- Durable cloth covered cord equipped with severe weather conditions</li> <li>- Spade connector cord included</li> </ul>



# Test & Measurement (Network)



W 88-20-0681

Model No.	TCT-681
Description	Punktal TCT-681 Network Tone Generator
Features	<ul style="list-style-type: none"> <li>- Selectable dual tone outputs on twisted pair, Coax and bare wire for multiple line identification</li> <li>- Line 1, Line 2 polarity indicator for fast outlet identification and voltage detection</li> <li>- Continuity test on Lan, Telco, Coax and bare wires</li> <li>- Enhanced talk battery supply for communication over inactive pairs</li> <li>- Include alligator clips, modular plug and jack for multiple connection options</li> <li>- Low battery indicator</li> </ul>



W 88-20-0682

Model No.	TCT-682
Description	Punktal TCT-682 Network Probe
Features	<ul style="list-style-type: none"> <li>- Composite tip reduces shock risk</li> <li>- Works with any tone generator</li> <li>- LED signal strength indication</li> <li>- Adjustable volume control</li> <li>- Earphone jack for noisy environments</li> <li>- Modular jack and test pins for multiple connection options</li> <li>- Ring-tip polarity test indicator</li> <li>- Lanyard attachment point for hands-free operation</li> <li>- Easy tip replacement</li> <li>- Low battery indicator</li> </ul>



W 88-20-3000

Model No.	Tempo 200GX
Description	Tempo 200GX Inductive Amp.
Features	<ul style="list-style-type: none"> <li>- New rugged, ergonomically-designed housing</li> <li>- Powerful 2" speaker</li> <li>- One-button operation</li> <li>- Adjustable Volume Control</li> <li>- LED for visual signal strength indication</li> <li>- Recessed tabs for telephone test or headset connection</li> <li>- Speaker bypass when using telephone test sets</li> <li>- Improved tip design for better reception and lower risk of shorting terminals</li> <li>- Battery operated</li> </ul>



W 88-20-1001

Model No.	1490530-1
Description	TYCO Electronics 4-Pair UTP Tester
Features	<ul style="list-style-type: none"> <li>- Auto-on and auto-off when testing cables, by plugging both ends into the tester</li> <li>- Cable test results displayed on main unit and remote unit, in less than 2s after plugging in the cable</li> <li>- Snap-together case for easy storage and convenient patch cable testing</li> <li>- Tone generator mode for use with tone tracers, auto-off</li> <li>- Debug mode with from/to and failures for each pair</li> <li>- Tests for shorts, opens, miswires, reversals and split pairs</li> </ul>



W 88-20-1003 (Pair with 1004)

Model No.	1490531-1
Description	TYCO Electronics Tone Generator
Features	<ul style="list-style-type: none"> <li>- Three distinctly different tones selected from front panel</li> <li>- Constant tone amplitude over life of battery</li> <li>- Two tone amplitude levels – normal and half</li> <li>- Auto-off of tone after 3 hours – no dead battery if left on</li> <li>- Tone may be added in any mode – allows phone sets without monitor feature to pick up tone</li> <li>- No power draw in continuity mode with leads open – no dead battery if left in continuity</li> <li>- Separate Talk Battery mode for increased voltage and power for Butt sets</li> <li>- RJ jack allows use of modular cable or provided alligator clip leads</li> </ul>



W 88-20-1004 (Pair with 1003)

Model No.	1490533-1
Description	TYCO Electronics Tone Tracer
Features	<ul style="list-style-type: none"> <li>- Ergonomic shape with soft edges</li> <li>- Volume control</li> <li>- Recessed "on" switch</li> <li>- Tip replacement without opening case</li> <li>- Battery low indicator</li> <li>- Headset jack for Butt Set 1490532-1 headset or standard cell phone headset</li> <li>- Duckbill and round tips included</li> <li>- Lanyard attachment point</li> </ul>

 <p><b>W</b> 82-31-0003</p> <p><b>MS-CP3</b> 13A Socket Wiring Tester</p>	 <p><b>W</b> 82-31-0078</p> <p><b>MS-78WT</b> Wire Tracer</p>	 <p><b>W</b> 82-31-0098</p> <p><b>MS-98</b> Moisture Detector with temperature display</p>	 <p><b>W</b> 82-31-0248</p> <p><b>MS-248M</b> Multi-function tester</p>
 <p><b>W</b> 82-31-1077</p> <p><b>MS-77 (1)</b> Auto Leveling Laser Line Generator with hanger</p>	 <p><b>W</b> 82-31-1098</p> <p><b>MS-98B</b> Moisture Detector with protective cap</p>	 <p><b>W</b> 82-31-1380</p> <p><b>TS-380 (16A)</b> Three Phase Tester with 16A Plug</p>	 <p><b>W</b> 82-31-1801</p> <p><b>MS-18 (1)</b> Multi-function tester</p>
 <p><b>W</b> 82-31-1886</p> <p><b>MS-886 (5A)</b> Continuity with RCD Checker</p>	 <p><b>W</b> 82-31-2283</p> <p><b>MS-228 (3)</b> Battery Tester (Numeric)</p>	 <p><b>W</b> 82-31-2284</p> <p><b>MS-228 (4)</b> Battery Tester</p>	 <p><b>W</b> 82-31-2886</p> <p><b>MS-886 (5B)</b> 3 Phase Rotary Field Checker</p>
 <p><b>W</b> 82-31-3158</p> <p><b>MS-158 (3)</b> High sensitivity handheld metal detector</p>	 <p><b>W</b> 82-31-3258</p> <p><b>MS-258 (3 in 1)</b> Multi-function metal detector</p>	 <p><b>W</b> 82-31-4703</p> <p><b>MS-47NS-3</b> Adjustable voltage detector</p>	 <p><b>W</b> 82-31-5018</p> <p><b>MS-18 (5)</b> Digital Voltage Tester with retractable driver blade</p>
 <p><b>W</b> 82-31-5068</p> <p><b>MS-68 (5) (4 in 1)</b> Detector-Stud/Metal/ACV/Continuity checker</p>	 <p><b>W</b> 82-31-6805</p> <p><b>MS-68 (5 in 1)</b> Multi-function Stud Detector</p>	 <p><b>W</b> 82-31-7158</p> <p><b>MS-158 (7)</b> 多功能金屬探測器 (連雷射水平尺)</p>	 <p><b>W</b> 82-31-8861</p> <p><b>MS-886 (1L)</b> AC / DC Voltage Tester</p>
 <p><b>W</b> 82-31-9802</p> <p><b>MS-98 (2)</b> 超聲波測距尺</p>	 <p><b>W</b> 82-31-9827</p> <p><b>MS-98 (2G)</b> 超聲波測距尺 (附計數功能)</p>		



迷你型萬用錶

## Brymen BM25

CAT III Card-Sized Meter

- Plus powerful AutoCheck & EF-Detection features
- LCD display: 6,000 counts
- Max. Voltage: 450V
- Measurement range: 600Ω to 6MΩ



W 59-11-0025

迷你型萬用錶

## Brymen BM27

CAT III Card-Sized Meter

- Plus powerful AutoCheck & EF-Detection features
- LCD display: 6,000 counts
- Max. Voltage: 600V
- Measurement range: 600Ω to 6MΩ
- Diode test



W 59-11-0027



# Tempo Multimeter

## Tempo 701K

電線追蹤測試棒套裝(追雞)

- Classic Tone & Probe Kit
- Identify single conductors or cables within a bundle at a cross-connect point, or at remote ends
- Includes 77HP High Power Tone Generator
- 200 EP Inductive Amplifier
- Rugged, woven polyester 700C Dual Carrying Case



W 59-11-0701

## Tempo 711K

專業型電線追蹤測試棒套裝

- Professional Tone & Probe Kit
- Fast, Accurate Wire Identification
- Sends Tone to Identify Wires
- Two-line Polarity Indication
- Continuity Test
- Recessed Telephone Test Set Connectors



W 59-11-0711

## Tempo 801K

Premium Tone & Probe Kit

- Designed for more accurate wire identification
- Eliminates power-related noise from their tone and probe operation
- Includes 77HP/6A High-Power Tone Generator with bent nose piercing clips
- 200FP Filter Probe (200FP/50 for export)
- With 700C Dual Carry Case



W 59-11-0801

# Aceco

Made in Taiwan

# 掌上型計頻器

頻率計數器

## Smart RF Counter

SC Series

- Designed for measuring any digital, on/off keying or analog signal on frequencies between 30MHz and 2.8GHz
- Vibrating Motor Option



W 72-99-0100

頻率計數器

## RF Counter

FC1000 Series

- 1MHz to 3GHz
- 10 digit LCD readout
- 0.1Hz resolution
- 16-Segment Bargraph
- Digital filter
- 80x68x31mm
- 210g



W 72-99-1003

頻率計數器

## RF Counter

FC2000 Series

- 10Hz to 3GHz
- 50 and 1M Ohms
- Auto hold
- Frequency and period
- LCD back light
- Beeper
- 100x68x31mm
- 250g



W 72-99-2002

專業型計頻器

## RF Finder

FC3000 Series

- Automatically and instantly tunes ICOM CI-V or AOR receivers to the frequency it finds.
- Vibrating Motor Option



W 72-99-3002

偵聽型計頻器

## RX Tester

FC5000 Series

- 30MHz to 900MHz
- FM demodulation
- Almost instantly lock on
- High sensitivity
- RSSI indication
- ICOM CI-5 interface
- Secure monitoring
- 280g



W 72-99-5002

偵搜型計頻器

## RF Tracer

FC6000 Series

- 1MHz to 3GHz/ 1MHz to 6GHz (MKII)
- Be used enable easy RF bug tracing
- Excels at privacy detecting RF signals
- 230g

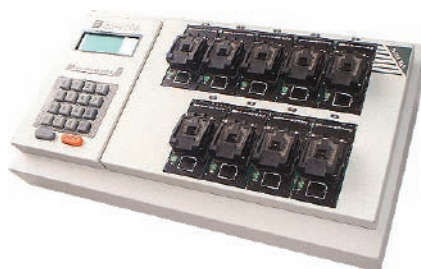


W 72-99-6002

力浦電子創立於1980年，位於臺北三重市湯城園區，公司成立以來致力於IC量測、仿真、燒錄的開發，以提供廠商完整的研發環境、高品質的量測及生產設備為目標。目前力浦電子擁有四大產品線-IC燒錄器、IC模擬器、IC測試器、PC介面保護器。均是經過資深研發工程師設計，並透過ISO-9002認證的產品制程而產生高品質、高效能的產品。



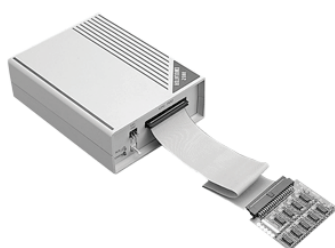
掌上型燒錄器



量產型燒錄器



介面保護器



模擬器



測試儀器



清洗器系列



各類型轉接座測試座

## 支援編程 IC 系列

ALTERA	ENOVA	Fairchild	FUJITSU	MTV212M	NT68PX	REALTEK	SHARP LHF00L36	SU1000-SMSC	SU-MTV230M	W55FX
ATMEGA	F8BIT	FCYPRS	FWH	MTV312M	PHILIPS	RENESAS	SIMTEK	SU2000-PIC	SU-SHARP	W83L950D
AVR	F8bit-NAND	FLASH328	HITACHI	MTV412M	PHILIPS_S AA4849	SEEPROM	SMK	SU2000-PIC18	SU-Z86EOX-DIP18	Weltrend
BGA18-CSP88	F16BIT	FLASH-BGA	LATTICE	NS	PLD	SFlash	ST679	SU3000-HITACHI	SYNTEK	Xilinx-XC1xV0x
CPLD	F16bit-TSOP48	FMCS51	MCS-51	NT68FXXX	RamTron	SFlashPlus	ST7F	SU-FPHS	TP2804	



HI-LO SYSTEMS was founded in 1983 as a consulting company specializing in application software written for customers. The company makes a programmer not only for versatile engineering purpose but also for expandable to cost-effective production use. HI-LO established its programming center in 2001 and have set up 3 plants in Taiwan at Neihu, Hsinchu and Taichung to provide high quality, high volume, and prompt delivery programming service for local customers.

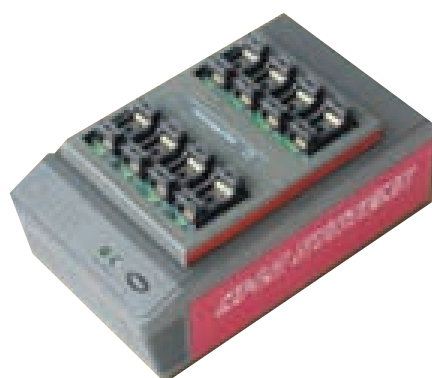


**ALL-100**

W 72-63-0100

**ALL-100P Universal Programmer**

W 72-63-0101



**ALL-100G Gang Programmer**

W 72-63-1000



**Adapter & Converter**



**ALL-100G4 Gang Programmer**



**Module**



AT3-300A

**Components & Safety Tester**



AT3-300AL

**Logic Analyzer**

## 支持器件

腳數：從8pins到超過300pins

器件種類：涵蓋 EPROM, EEPROM, Serial PROM, FLASH, PLD/CPLD/FPGA, MPU/MCU等

## 器件連接方式

- 基本 (ALL-100及ALL-100P)：大部份DIP封裝可直接使用。DIP48 ZIP連接器, SOP, TSOP, PLCC, QFP, MLF, SDIP等封裝須透過適當的CONVERTERS or ADAPTERs 由DIP48轉換
- 其它(ALL-100G及ALL-100G4)：使用測試等級各型專業IC座

## Leica Disto A2

### Laser Metert

- Measuring range of 0.05 to 60m
- typ. accuracy  $\pm 1.5$ mm
- Illuminated 2-line display



W 83-01-0002

## Leica Disto D3

### Laser Meter

- Measuring range of 0.05 m up to 100 m
- typ. accuracy  $\pm 1.5$  mm
- Illuminated display



W 83-01-1003

## Leica Disto A5

### Laser Distance Meter

- Measuring range of 0.05 m up to 200 m
- typ. accuracy  $\pm 2$  mm
- Illuminated display
- IP54 - Spray water and dust proof
- Room calculations
- Indirect height-/width measurement



W 83-01-1005

## Leica Disto A6

### Laser Distance Meter IP54

- Measuring range of 0.05 m up to 200 m
- typ. accuracy  $\pm 1.5$  mm
- Illuminated display
- IP54 - Spray water and dust proof
- Room calculations
- Indirect height-/width measurement



W 83-01-8006

## Leica Disto A8

### Laser Distance Meter

- Measuring range of 0.05 m up to 200 m
- typ. accuracy  $\pm 1.5$  mm
- Illuminated display
- IP54 - Spray water and dust proof
- Room calculations
- Indirect height-/width measurement
- Digital viewfinder with 3-fold zoom



W 83-01-8008

## Leica LRF 1200

### Scan Rangefinder

- Measuring range of 11yd up to 1,200yd
- Magnification: 7x



W 83-01-1200



## B&D BDL190S

### 雷射水平機 + 牆體探測器

- Patented Auto-Leveling Technology
- 2 Tools In 1 Auto-Leveling Laser Level & Stud Sensor
- Auto-Leveling Laser Levels Automatically Without Adjustments
- Projects Horizontal Level Laser Line
- Stud Sensor Detects Wood, Metal Studs & Live A/C Wires



W 83-01-0190

## B&D BDL220S

### 雷射水平機

- Projects Vertical & Horizontal Laser Lines For accurate placement of objects
- 3600 Rotating Wall Attachment Projects Laser Line at Any Angle
- 2 Extra Large Bubble Vials W/ Backlights For maximum accuracy & visibility



W 83-01-0220

## B&D BDL310S

### 雷射水平機

- Laser line automatically levels
- Wall Attachment Included Micro adjusts vertical and horizontal lines for ease of use
- Hangs from strap is ideal for higher applications
- Projects Plumb (vertical) and Horizontal Lines Makes Leveling Simple



W 83-01-0310

## B&D BDSM100

### 超聲波測距儀

- Sonic Distance Measure
- Point and Read Distance Measurements Saves Time and Effort
- Pivot Head Feature Makes work in tight areas easier



W 83-01-0100

## B&D BDSM400

### 超聲波測距儀/金屬探測器

- Sonic Distance Measurer and 3 in 1 Sensor
- Point and Read Distance
- Measurements Saves Time and Effort
- Measuring and Sensing Combines two common DIY applications
- Pivot Head Feature Makes work in tight areas easier



W 83-01-0400

## Yortor EM-56

### 超聲波測距尺

- 量度長度只需要觸摸一個按鍵
- 快速、準確量度0.4m - 18m距離
- 以米/釐米或英尺/英寸讀數



W 83-01-0056

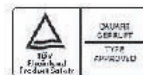




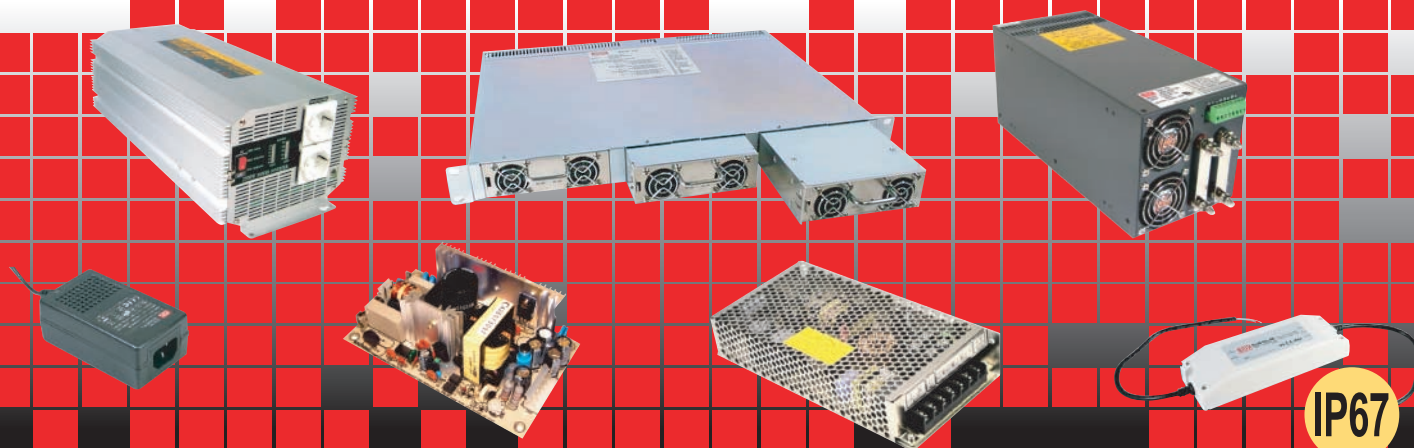
Your Reliable Power Partner



CB



ETS



# ISO-9001 電源供應器供貨商

(多種規格: 5 至 8000 watts 輸出)

## MeanWell產品系列

### Enclosed Switching Power Supply

- G3 Series
- NE Series
- G2 Series
- G1 Series
- PFC Series
- CLG / PLN / ELN Series
- Modular Series
- AD Series
- DIN Series
- Parallel Series

### Open Frame Switching Power Supply

- On Board Type
- General PCB Type
- Medical PCB Type

### External Switching Power Supply

- Charger
- Desktop
- Medical Desktop
- Wall-mounted

### Specific Purpose Power Supply

- Video Game
- ATX PC Power

### DC/DC Converter

- Module Type
- On Board Type
- PCB Type
- Enclosed Type

### DC/AC Power Inverter

- Modified Sine Wave
- True Sine Wave

交流 / 直流交換式電源供應器、  
直流 / 直流轉換器、  
直流 / 交流變流器、  
電池充電器

## Meanwell DC Converter (PCB)

W 64-02-0515



Model No.	SUS01L-15 (30424)
Covered Voltage	5V → 15V
Output Current	67 mA

W 64-02-0915



Model No.	DKE10A-15 (30103)
Covered Voltage	DC 9 – 18V → ±15V
Output Current	300 mA

W 64-02-0955



Model No.	DCW03A-05 (30481)
Covered Voltage	DC 9 – 18V → ±5V
Output Current	300 mA

W 64-02-1205



Model No.	SPR01M-05 (30445)
Covered Voltage	DC 12V → 5V
Output Current	500 mA

W 64-02-1215



Model No.	SPR01M-15 (30448)
Covered Voltage	DC 12V → 15V
Output Current	67 mA

W 64-02-2412



Model No.	SPR01N-12 (30451)
Covered Voltage	DC 24V → 12V
Output Current	84 mA

W 64-02-2415



Model No.	SPR01N-15 (30452)
Covered Voltage	DC 24V → 15V
Output Current	67 mA

W 64-02-5015



Model No.	SPR01L-15 (30444)
Covered Voltage	DC 5V → 15V
Output Current	67 mA

## Meanwell SW (25W/PCB)

W 64-10-1005



Model No.	PS-25-5 (12002)
Rated Output	DC 5V / 5A

W 64-10-1012



Model No.	PS-25-12 (12004)
Rated Output	DC 12V / 2.1A

W 64-10-1015



Model No.	PS-25-15 (12006)
Rated Output	DC 15V / 1.7A



W 64-10-1024



Model No.	PS-25-24 (12007)
Rated Output	DC 24V / 1A

W 64-10-2005



Model No.	PD-2505 (12033)
Rated Output	+5V / 3A; -5V / 2.5A

W 64-10-2012



Model No.	PD-2512 (12034)
Rated Output	± 12V / 1.2A

W 64-10-2015



Model No.	PD-2515 (12035)
Rated Output	± 15V / 1A

W 64-10-2512



Model No.	PD-25A (12031)
Rated Output	5V / 2.5A; 12V / 1.5A

W 64-10-2524



Model No.	PD-25B (12032)
Rated Output	+ 5V / 2.5A; + 24V / 1A

## Meanwell SW (65W/PCB)

W 64-12-1005



Model No.	PS-65-5 (12022)
Rated Output	DC 5V / 12 A

W 64-12-1012



Model No.	PS-65-12 (12024)
Rated Output	DC 12V / 5.2A

W 64-12-1015



Model No.	PS-65-15 (12026)
Rated Output	DC 15 V / 4.2A

W 64-12-1024



Model No.	PS-65-24 (12028)
Rated Output	DC 24V / 2.7A

W 64-12-2512



Model No.	PD-65A (12051)
Rated Output	5V / 7 A; 12V / 3.2A

W 64-12-2524



Model No.	PD-65B (12052)
Rated Output	5V / 6 A; 24V / 2.6A

# Manson

**Manson Engineering Industrial:**  
Design, Develop and Manufacture  
Power Conversion Products







W 64-15-0105



W 64-15-0107



W 64-15-0210



W 64-15-0225

Model No.	DD-105	DD-107	SDC-210	SDC-225
Input Voltage	22 – 28V DC	22 – 28V DC	22 – 30V DC	22 – 30V DC
Output Voltage	13.8V DC	13.8V DC	13.8V DC	13.8V DC
Output Current	5A (MAX 5.5A)	7A (MAX 8A)	8A (MAX 10A)	20A (MAX 25A)
Connection Type	-	-	Cable	Terminal
Approvals	CE EMC EN 55014	CE EMC EN 55014	EN 55014, EN 55022	EN 55014, EN 55022
Dimensions (W x H x D)	125 x 47 x 110 mm, 0.6kg	125 x 47 x 130 mm, 0.65kg	125 x 47 x 120 mm, 0.55kg	156 x 57 x 168 mm, 1.4kg
Accessory	-	-	-	Mounting Bracket



W 64-15-0245



W 64-15-0310



W 64-15-1240



W 64-15-2210

Model No.	SDC-245	SDC-310	SSDC-240	SSDC-210
Input Voltage	22 – 30V DC	10 – 15V DC	22 – 30V DC	22 – 30V DC
Output Voltage	13.8V DC	28V DC	13.8V DC	13.8V DC
Output Current	40A (MAX 50A)	8A (MAX 10A)	35A (MAX 40A)	8A (MAX 10A)
Connection Type	Terminal	Cable	Terminal	Cable
Approvals	EN 55014, EN 55022	EN 55014, EN 55022	EN 55022	EN 55014, EN 55022
Dimensions (W x H x D)	156 x 57 x 240 mm, 2.2kg	156 x 57 x 130 mm, 1kg	156 x 57 x 240 mm, 2.2kg	125 x 47 x 120 mm, 0.65kg
Accessory	Mounting Bracket	Mounting Bracket	Mounting Bracket	-



W 64-15-5205



W 64-15-5208



W 64-15-5212



W 64-15-5220

Model No.	SDC-5205	SDC-5208	SDC-5212	SDC-5220
Input Voltage	18 – 38V DC	18 – 38V DC	18 – 38V DC	18 – 38V DC
Output Voltage	13.8V DC	13.8V DC	13.8V DC	13.8V DC
Output Current	5A (MAX 7A)	7A (MAX 12A)	12A (MAX 16A)	16A (MAX 20A)
Connection Type	Push-on Flat Blade Connectors	Push-on Flat Blade Connectors	Push-on Flat Blade Connectors	Push-on Flat Blade Connectors
Approvals	RoHS	RoHS	RoHS	RoHS
Dimensions (W x H x D)	77 x 75 x 32 mm, 190g	96 x 75 x 32 mm, 230g	142 x 75 x 32 mm, 380g	192 x 75 x 32 mm, 480g
Accessory	Clip-on Mounting Bracket set & Screws, Slip-on Receptacles	Clip-on Mounting Bracket set & Screws, Slip-on Receptacles	Clip-on Mounting Bracket set & Screws, Slip-on Receptacles	Clip-on Mounting Bracket set & Screws, Slip-on Receptacles



W 64-04-0512



W 64-04-0513



W 64-04-0514



W 64-04-0815



W 64-04-0830

Model No.	LP-512	LP-513	LP-514	EP-815	EP-830
Output Voltage	13.8V DC	13.8V DC	13.8V DC	13.8V DC	13.8V DC
Output Current	2A (Peak 4A)	3A (Peak 5A)	4A (Peak 6A)	12A (Peak 15A)	12A (Peak 15A)
Approvals	CE EN60065, EN 55014	CE EN60065, EN 55014	CE EN60065, EN 55014	CE EN60065, EN 55014	CE EN60065, EN 55014
Dimensions (W x H x D)	160 x 92 x 150 mm, 2.4kg	160 x 92 x 165 mm, 2.7kg	160 x 92 x 165 mm, 3.0kg	150 x 145 x 300 mm, 5.2kg	150 x 145 x 300 mm, 5.2kg



W 64-04-0850



W 64-04-8040



W 64-04-8041



W 64-04-8100

Model No.	EP-850	SPS-8040	SPS-8041	SPA-8100
Output Voltage	13.8V DC	12V DC	3 – 12V DC	13.8V DC $\pm$ 0.5V
Output Current	40A (Peak 50A)	3A (Peak 5A)	3A (Peak 5A)	10A (Peak 12A)
Approvals	CE EN60065, EN 55014	CE EMC 60950, LVD 55022	CE EMC 60950, LVD 55022	CE EMC 60950, LVD 55022
Dimensions (W x H x D)	425 x 145 x 335 mm, 19kg	90 x 50 x 140 mm, 450g	90 x 50 x 140 mm, 450g	181 x 63 x 190 mm, 1.55kg



W 64-04-8150



W 64-04-9620



W 64-04-9812



W 64-04-9818

Model No.	SPA-8150	SPS-9620	NP-9812	NP-9818
Output Voltage	13.8V DC $\pm$ 0.5V	13.8V DC (Fine Tune 12.6 – 14.3V)	13.8V DC	13.8V DC
Output Current	15A (Peak 18A)	120A	12A (Peak 15A)	18A (Peak 20A)
Approvals	CE EMC 60950, LVD 55022	CE EMC 60950, LVD 55022	CE EN 61558, EN55014	CE EN 61558, EN55014
Dimensions (W x H x D)	181 x 63 x 190 mm, 1.70kg	235 x 218 x 345 mm, 11.0kg	205 x 115 x 280 mm, 5.2kg	205 x 115 x 280 mm, 6.5kg





W 64-05-1185

Model No.	MPA-1850
Output Voltage	0 – 18V DC
Output Current	0 – 5A
Analog Ranges	0 – 20V / 0 – 5A
Accuracy	7% fsd
Approvals	CE IEC 1010, EN 55011
Dimensions (W x H x D)	205 x 115 x 270 mm, 5kg



W 64-05-1303

Model No.	MPA-3030
Output Voltage	0 – 30V DC
Output Current	0 – 3A
Analog Ranges	0 – 35V / 0 – 3A
Accuracy	7% fsd
Approvals	CE IEC 1010, EN 55011
Dimensions (W x H x D)	205 x 115 x 270 mm, 5kg



W 64-05-1601

Model No.	MPA-6015
Output Voltage	0 – 60V DC
Output Current	0 – 1.5A
Analog Ranges	0 – 70V / 0 – 1.5A
Accuracy	7% fsd
Approvals	CE IEC 1010, EN 55011
Dimensions (W x H x D)	205 x 115 x 270 mm, 5kg



W 64-05-2050

Model No.	NRP-2050
Input Voltage	90 – 130 / 180 – 240V AC, 50Hz
Input Current	0.83A
Output Ranges	1 – 20V DC / 0 – 5A
Accuracy	3 digits
Approvals	LVD: EN 61010, EMC EN 55011
Dimensions (W x H x D)	70 x 150 x 250 mm, 2kg



W 64-05-2185

Model No.	MPD-1850
Output Voltage	0 – 18V DC
Output Current	0 – 5A
Digital Ranges	3 digits
Accuracy	1% + 2counts
Approvals	CE IEC 1010, EN 55011
Dimensions (W x H x D)	205 x 115 x 270 mm, 5kg



W 64-05-2210

Model No.	SDP-2210
Output Voltage	1 – 20V DC
Output Current	0 – 10A
Digital Ranges	4 digits
Accuracy	1% + 2counts
Accessories	S/W, RS232 cable, RS485 connector
Approvals	CE EMC EN 55011, LVD EN 61010
Dimensions (W x H x D)	193 x 98 x 215 mm, 3kg



W 64-05-2211

Model No.	SPS-2210
Output Voltage	1 – 20V DC
Output Current	0 – 10A
Digital Ranges	3.5 digits
Accuracy	1% + 2counts
Protection Devices	Over Voltage / Temperature, Short Circuit
Approvals	CE EMC EN 55011, LVD EN 61010
Dimensions (W x H x D)	205 x 115 x 275 mm, 3kg



W 64-05-2303

Model No.	MPD-3030
Output Voltage	0 – 30V DC
Output Current	0 – 3A
Digital Ranges	3 digits
Accuracy	1% + 2counts
Approvals	CE IEC 1010, EN 55011
Dimensions (W x H x D)	205 x 115 x 270 mm, 5kg



W 64-05-2405

Model No.	SDP-2405
Output Voltage	1 – 40V DC
Output Current	0 – 5A
Digital Ranges	4 digits
Accuracy	1% + 2counts
Accessories	S/W, RS232 cable, RS485 connector
Approvals	CE EMC EN 55011, LVD EN 61010
Dimensions (W x H x D)	193 x 98 x 215 mm, 3kg



W 64-05-2415

Model No.	SPS-2405
Output Voltage	1 – 40V DC
Output Current	0 – 5A
Digital Ranges	3.5 digits
Accuracy	1% + 2counts
Protection Devices	Over Voltage / Temperature, Short Circuit
Approvals	CE EMC EN 55011, LVD EN 61010
Dimensions (W x H x D)	205 x 115 x 275 mm, 3kg



W 64-05-2601

Model No.	MPD-6015
Output Voltage	0 – 60V DC
Output Current	0 – 1.5A
Digital Ranges	3 digits
Accuracy	1% + 2counts
Approvals	CE IEC 1010, EN 55011
Dimensions (W x H x D)	205 x 115 x 270 mm, 5kg



W 64-05-2603

Model No.	SDP-2603
Output Voltage	1 – 60V DC
Output Current	0 – 3A
Digital Ranges	4 digits
Accuracy	1% + 2counts
Accessories	S/W, RS232 cable, RS485 connector
Approvals	CE EMC EN 55011, LVD EN 61010
Dimensions (W x H x D)	193 x 98 x 215 mm, 3kg



W 64-05-3003

Model No.	SIM-9303
Output Voltage	1 – 30V DC
Output Current	1 – 30A
Digital Ranges	4 digits
Accuracy	0.5% + 2counts
Protection Devices	Remote control plug, User manual
Approvals	CE EMC EN 55011, LVD EN 61010
Dimensions (W x H x D)	235 x 95 x 340 mm, 6kg



W 64-05-3030

Model No.	PSD-3030
Output Voltage	0 – 30V DC
Output Current	0 – 30A
Digital Ranges	4 digits
Accuracy	0.5% + 3counts
Protection Devices	Over Voltage / Temperature, Short Circuit
Approvals	CE EMC EN 55011, LVD EN 61010
Dimensions (W x H x D)	357 x 186 x 441 mm, 28kg



W 64-05-3630

Model No.	NRP-3630-000G
Output Voltage	1 – 36V DC
Output Current	0 – 3A
Digital Ranges	3 digits
Accuracy	1% + 5counts
Protection Devices	Over Voltage / Temperature, Short Circuit
Approvals	CE EMC EN 55011, LVD EN 61010
Dimensions (W x H x D)	70 x 150 x 250 mm, 2kg



W 64-05-5185

Model No.	NDP-4185
Output Voltage	0 – 18V DC
Output Current	0 – 5A
Digital Ranges	4 digits
Accuracy	0.1% + 2counts
Accessories	S/W, RS232 cable, RS 485 connector
Approvals	CE EMC EN 55011, LVD EN 61010
Dimensions (W x H x D)	205 x 115 x 275 mm, 5kg



W 64-05-5303

Model No.	NDP-4303
Output Voltage	0 – 30V DC
Output Current	0 – 3A
Digital Ranges	4 digits
Accuracy	0.1% + 2counts
Accessories	S/W, RS 232 – RS 485 adaptor, data logging
Approvals	CE EMC EN 55011, LVD EN 61010
Dimensions (W x H x D)	205 x 115 x 275 mm, 5kg



W 64-05-5601

Model No.	NDP-4601
Output Voltage	0 – 60V DC
Output Current	0 – 1.5A
Digital Ranges	4 digits
Accuracy	0.1% + 2counts
Accessories	S/W, RS 232 – RS 485 adaptor, data logging
Approvals	CE EMC EN 55011, LVD EN 61010
Dimensions (W x H x D)	205 x 115 x 275 mm, 5kg



W 64-05-6015

Model No.	NRP-6016
Output Voltage	1 – 60V DC
Output Current	0 – 1.6A
Digital Ranges	3 digits
Accuracy	1% + 5counts
Protection Devices	Over Voltage / Temperature, Short Circuit
Approvals	CE EMC EN 55011, LVD EN 61010
Dimensions (W x H x D)	70 x 150 x 250 mm, 2kg



W 64-05-6150

Model No.	PSM-1550
Output Voltage	0 – 15V DC
Output Current	0 – 50A
Digital Ranges	4 digits
Accuracy	0.5% + 4counts
Accessories	S/W, RS 232 cable, RS 485 connector
Approvals	CE EMC EN 55011, LVD EN 61010
Dimensions (W x H x D)	205 x 115 x 275 mm, 5kg



W 64-05-6330

Model No.	PSM-3030
Output Voltage	0 – 30V DC
Output Current	0 – 30A
Digital Ranges	4 digits
Accuracy	0.5% + 2counts
Accessories	S/W, RS 232 cable, RS 485 connector
Approvals	CE EMC EN 55011, LVD EN 61010
Dimensions (W x H x D)	357 x 186 x 441 mm, 28kg



W 64-05-6518

Model No.	PSM-5020
Output Voltage	0 – 50V DC
Output Current	0 – 18A
Digital Ranges	4 digits
Accuracy	0.5% + 2counts
Accessories	S/W, RS 232 cable, RS 485 connector
Approvals	CE EMC EN 55011, LVD EN 61010
Dimensions (W x H x D)	357 x 186 x 441 mm, 28kg



W 64-05-7080

Model No.	SSP-7080
Input Voltage	90 – 264V AC, 47 – 63Hz
Output Voltage	0 – 16.4V / 0 – 27.6V / 0 – 36.8V DC
Output Current	0 – 5.1A / 0 – 3.1A / 0 – 2.3A
Digital Ranges	4 digits
Accuracy	1% + 2counts
Protection Devices	Over Voltage / Temperature, Short Circuit
Approvals	CE EMC EN 55011, LVD EN 61010
Dimensions (W x H x D)	53.5 x 127 x 330 mm, 1.9kg



W 64-05-8080

Model No.	SSP-8080
Input Voltage	100 – 240V AC, 47 – 63Hz
Output Voltage	0 – 16.4V / 0 – 27.6V / 0 – 36.8V DC
Output Current	0 – 5.1A / 0 – 3.1A / 0 – 2.3A
Digital Ranges	4 digits
Accuracy	1% + 2counts
Protection Devices	Over Voltage / Temperature, Short Circuit
Approvals	CE EMC EN 55011, LVD EN 61010
Dimensions (W x H x D)	53.5 x 127 x 330 mm, 1.9kg





W 64-05-8250

Model No.	SPS-8250
Output Voltage	3 – 15V DC
Output Current	25A
Analog Ranges	1 – 20V DC/ 0 – 5A
Accuracy	7% fsd
Protection Devices	Over Voltage / Temperature, Short Circuit
Approvals	LVD: EN 60950, EMC EN 55022
Dimensions (W x H x D)	220 x 110 x 220 mm, 2.7kg



W 64-05-8400

Model No.	SPS-8400M
Output Voltage	3 – 15V DC
Output Current	40A
Analog Ranges	1 – 20V DC/ 0 – 45A
Accuracy	7% fsd
Protection Devices	Over Voltage / Temperature, Short Circuit
Approvals	CE EMC EN 55011, EN 55022; LVD EN 60905, EN 61558
Dimensions (W x H x D)	220 x 110 x 300 mm, 3.5kg



W 64-05-9250

Model No.	SPS-9250
Output Voltage	3 – 15V DC
Output Current	25A
Digital Ranges	3 digits
Accuracy	1% + 2counts
Accessories	Over Voltage / Temperature, Short Circuit
Approvals	LVD: EN 60950, EMC EN 55022
Dimensions (W x H x D)	220 x 110 x 220 mm, 2.7kg



W 64-05-9300

Model No.	EPA-9300
Output Voltage	1 – 15V DC
Output Current	28A (MAX 33A)
Analog Ranges	0 – 20V DC/ 0 – 35A
Accuracy	7% fsd
Protection Devices	Over Voltage / Temperature, Short Circuit
Approvals	CE EN 60065, EN 55014
Dimensions (W x H x D)	250 x 140 x 225 mm, 3.5kg



W 64-05-9301

Model No.	EPD-9300-004
Output Voltage	1 – 15V DC
Output Current	28A (MAX 33A)
Digital Ranges	3 digits
Accuracy	1% + 2counts
Protection Devices	Over Voltage / Temperature, Short Circuit
Approvals	CE EN 60065, EN 55014
Dimensions (W x H x D)	250 x 140 x 225 mm, 3.5kg



W 64-05-9400

Model No.	SPS-9400
Output Voltage	3 – 15V DC
Output Current	40A
Digital Ranges	3 digits
Accuracy	1% + 2counts
Protection Devices	Over Voltage / Temperature, Short Circuit
Approvals	CE EMC EN 55011, EN 55022; LVD EN 60950, EN 61558
Dimensions (W x H x D)	220 x 110 x 300 mm, 3.5kg



W 64-05-9600

Model No.	SPS-9600
Output Voltage	1 – 15V DC
Output Current	60A
Digital Ranges	3 digits
Accuracy	1% + 1counts
Protection Devices	Over Voltage / Temperature, Short Circuit
Approvals	CE EMC EN 55022, LVD EN 60950
Dimensions (W x H x D)	220 x 110 x 360 mm, 5.8kg



W 64-05-9602

Model No.	SPS-9602
Output Voltage	1 – 30V DC
Output Current	30A
Digital Ranges	3 digits
Accuracy	1% + 1counts
Protection Devices	Over Voltage / Temperature, Short Circuit
Approvals	CE EMC EN 55022, LVD EN 60950
Dimensions (W x H x D)	220 x 110 x 360 mm, 5.8kg



W 64-05-9603

Model No.	NP-9603
Output Voltage	0 – 30V DC
Output Current	3A
Fixed Output Voltage	5V /12V DC, 0.5A (MAX 1A)
Analog Ranges	0 – 30V/ 0 – 3A
Accuracy	7% fsd
Protection Devices	Overload, Short Circuit
Approvals	CE EN 61558, EN 55014
Dimensions (W x H x D)	205 x 115 x 230 mm, 5kg



**W 64-05-9605**

Model No.	NP-9605
Output Voltage	0 – 30V DC
Output Current	5A
Fixed Output Voltage	5V /12V DC, 0.5A (MAX 1A)
Analog Ranges	0 – 30V/ 0 – 5A
Accuracy	7% fsd
Protection Devices	Overload, Short Circuit
Approvals	CE EN 61558, EN 55014
Dimensions (W x H x D)	205 x 115 x 280 mm, 6.5kg



**W 64-05-9613**

Model No.	NP-9613
Output Voltage	0 – 30V DC
Output Current	3A
Fixed Output Voltage	5V /12V DC, 0.5A (MAX 1A)
Digital Ranges	3 digits
Accuracy	1% + 2counts
Protection Devices	Overload, Short Circuit
Approvals	CE EN 61558, EN 55014
Dimensions (W x H x D)	205 x 115 x 230 mm, 5kg



**W 64-05-9615**

Model No.	NP-9615
Output Voltage	0 – 30V DC
Output Current	5A
Fixed Output Voltage	5V /12V DC, 0.5A (MAX 1A)
Digital Ranges	3 digits
Accuracy	1% + 2counts
Protection Devices	Overload, Short Circuit
Approvals	CE EN 61558, EN 55014
Dimensions (W x H x D)	205 x 115 x 280 mm, 6.5kg



**W 64-05-9625**

Model No.	NP-9625
Output Voltage	0 – 30V DC
Output Current	10A
Fixed Output Voltage	5V /12V DC, 0.5A (MAX 1A)
Digital Ranges	3 digits
Accuracy	1% + 1 or 3counts (V or A)
Protection Devices	Overload, Short Circuit
Approvals	CE EN 61010, EN 55011
Dimensions (W x H x D)	205 x 125 x 280 mm, 6.5kg



**W 64-05-9912**

Model No.	NP-9912
Output Voltage	1 – 15V DC
Output Current	12A (MAX 15A)
Fixed Output Voltage	13.8V DC
Analog Ranges	0 – 20V / 0 – 15A
Accuracy	7% fsd
Protection Devices	Overload, Short Circuit
Approvals	CE EN 61558, EN 55014
Dimensions (W x H x D)	205 x 115 x 275 mm, 5.5kg



**W 64-05-9918**

Model No.	NP-9918
Output Voltage	1 – 15V DC
Output Current	18A (MAX 20A)
Fixed Output Voltage	13.8V DC
Analog Ranges	0 – 20V / 0 – 20A
Accuracy	7% fsd
Protection Devices	Overload, Short Circuit
Approvals	CE EN 61558, EN 55014
Dimensions (W x H x D)	205 x 115 x 275 mm, 7kg



**W 64-05-9925**

Model No.	NP-9925
Output Voltage	1 – 15V DC
Output Current	25A (MAX 30A)
Fixed Output Voltage	13.8V DC
Analog Ranges	0 – 20V / 0 – 30A
Accuracy	7% fsd
Protection Devices	Overload, Short Circuit
Approvals	CE EN 61558, EN 55014
Dimensions (W x H x D)	205 x 115 x 275 mm, 9kg





W 64-08-2205

Model No.	SBC-2205
Output Voltage	24V DC
Output Current	5 A
Recommended Battery Capacity	20 Ah – 50 Ah
Included Accessories	Cable, Spare Fuse
Approvals	CE EN 55014, EN 60335
Dimensions (W x H x D)	160 x 61 x 173 mm, 1.3kg



W 64-08-2215

Model No.	SBC-2215
Output Voltage	24V DC
Output Current	15 A
Recommended Battery Capacity	50 Ah – 150 Ah
Included Accessories	Remote Temperature Sensor, Cable, Spare Fuse
Approvals	EMC EN 55014, EMF EN 50366, CE EN 60335
Dimensions (W x H x D)	220 x 80 x 200 mm, 2.4kg



W 64-08-5100

Model No.	ATS-5100
Description	Aluminum Plate Probe
Output Voltage	2.98V
Forward & Reverse Current	10 – 15 mA
Sensor Gain	10 mV / °C
Temperature Range	-40°C – 100°C
Dynamic Impedance	0.6 Ω
Dimensions	20 x 90 mm (3 m long)



W 64-08-8112

Model No.	SBC-8112
Output Voltage	12V DC
Output Current	10 A
Recommended Battery Capacity	60 Ah – 150 Ah
Protection Devices	Overload, Short Circuit, Reverse Polarity Protection
Approvals	Designed & Manufactured to Comply with CE
Dimensions (W x H x D)	214 x 160 x 72 mm, 1.65kg



W 64-08-8125

Model No.	SBC-8125
Output Voltage	12V DC
Output Current	20 A
Recommended Battery Capacity	120 Ah – 200 Ah
Protection Devices	Overload, Short Circuit, Reverse Polarity Protection
Approvals	Designed & Manufactured to Comply with CE
Dimensions (W x H x D)	255 x 200 x 72 mm, 2kg



W 64-08-8215

Model No.	SBC-8215-004
Output Voltage	24V DC
Output Current	10 A
Recommended Battery Capacity	60 Ah – 120 Ah
Protection Devices	Overload, Short Circuit, Reverse Polarity Protection
Approvals	Designed & Manufactured to Comply with CE
Dimensions (W x H x D)	255 x 200 x 72 mm, 2kg

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W 62-19-0433 / 7313 / 7513 / 7613

## Remote Control System

Model No. : 1507520 / 1507313 / 1507513 / 1507613

- Operate up to 4 electrical appliances or lights by remote control.
- Switch up to 4 appliances individually with the 4-channel remote control.
- Even works through walls and up to a distance of 25 metres.
- Receiver socket also can be switched by hand.
- 240 V/13 A.



W 62-19-0513

## RCD plug BDI-SF 16

Model No. : 1290573

- Provides effective protection against electric shocks.
- The ideal safety circuit breaker for connection to frequently used electrical appliances.
- Instantly disconnects the live lead from the mains as soon as residual current is present (30 mA).
- Response time max. 45 ms.
- In blister packaging.



W 62-19-0523

## RCD adapter BDI-AF 16

Model No. : 1290563

- Provides effective protection against electric shocks.
- The ideal safety circuit breaker for connection to frequently used electrical appliances.
- Instantly disconnects the live lead from the mains as soon as residual current is present (30 mA).
- Response time max. 45 ms.
- Cover provides protection against dirt and spraying water.
- In blister packaging.



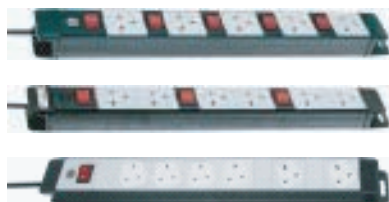
W 62-19-0723

## RCD plug BDI-SF 16

Model No. : 1140723

A 25m socket extension reel that is ideal when using electrical garden equipment such as lawnmowers, hedge cutters and strimmers. It is also ideal when working with electrical equipment such as drills in difficult to reach areas.

- Comfortable carrying handle
- Practical rotating, winding handle
- Cable clip to secure cable when not in use
- Complete with brake
- Highly robust



W 62-19-1586

## Premium-Line Technics

Model No. : 1156053086

- Quality extension sockets in top design and modern colour combinations.
- Housing made of break-resistant plastic.
- With 2 holes on either side suitable for wall-mounting.
- Excess cable can be wound around the housing.
- With illuminated 2-pole switch.
- Some types with extra widely spaced sockets to accommodate large charging units, etc.



W 62-19-1273

## Halogen Light H 500 MS IP 44

Model No. : 1171273

- Reel body made of special break-resistant Brefflex plastic.
- Robust, galvanised steel-tube frame with comfortable carrying handle.
- With triple socket 240 V.



W 62-19-1014 / 1016 / 1018

## Premium-Alu-Line

Model No. : 1391003014 / 3016 / 3018

For connection of data processing / video / HiFi equipment and other appliances, e.g. PC, printer, modem, etc. for industrial, trade and private use.

- Attractive, timeless, sturdy housing made from aluminium with hardwearing, matt-finished surfaces, providing protection against dangerous electro-magnetic waves.
- 10 years product guarantee (when correctly used).
- Wall-mounting holes, hole suitable for hanging.
- Earthed sockets at 90° angles, ideal for angular plugs.
- Excess cable can be wound around the housing.
- Extra robustness.



W 62-19-2373

## Garant® CEE 2

Model No. : 1238073

Top in quality and design, for every requirement and use.

- Reel body made of special break-resistant Brefflex plastic.
- Robust, galvanised steel-tube frame with comfortable carrying handle.
- With twin socket 230 V/ CEE 16 A.
- Highly flexible rubber cable.



W 62-19-3014 / 3016 / 3077 / 3416

## Premium-Line

Model No. : 1156053014 / 1156153016 / 1156053077 / 1156133016

- Quality extension sockets in top design and modern colour combinations.
- Housing made of break-resistant plastic.
- With 2 holes on either side suitable for wall-mounting.
- Earthed sockets at 90° angles, ideal for angular plugs.
- Childproof sockets.
- Excess cable can be wound around the housing.
- With illuminated 2-pole switch.



W 62-19-3081 / 3374 / 3378 / 3394

## Premium-Line Surge protection 30.000 A

Model No. : 1156053081 / 1156053374 / 1256053378 / 1156053394

- The Brennenstuhl range of multi-way socket outlets with surge suppressor and lightning protection fuse
- Safety elements like varistors or gas conductors are essential parts in order to divert voltage surges within ms through the earth connection.
- No destructive voltage peaks will therefore be able to reach the interior of your sensitive electric appliances.
- The modern and high quality safety elements used by Brennenstuhl guarantee effective protection against power surges and indirect lightning strikes up to 30.000 Amps.
- Illuminated 2-pole switch.
- Suppresses visual and acoustic interference in TV sets, video recorders and audio systems.
- Prevents interference to connected equipment.
- Protects sensitive electronics from high frequency interference voltages.
- With replaceable 10 A fuse.
- Three-core arrangement protects phase, neutral and earth leads.



W 62-19-1853

## Brobusta® 110 V CEE 2

Model No. : 1318853

- Extra heavy-duty double steel-tube frame, galvanised & powder-coated
- With ergonomic carrying handle.
- Reel body made of special break-resistant Brefflex rubber.
- With twin socket 110 V/16 A.



W 62-19-3004

## Compact Cable Reel AK 180

Model No. : 1078183004

- Small and handy reel, fits in most boxes.





W 62-19-3100

**Brelani®**

Model No. : 1355003100

- Exclusive design. Complements most styles of interior design and decor.
- Made from break-resistant plastic.
- Illuminated on/off safety switch.
- The well positioned sockets enable you to connect angular plugs simultaneously.
- Cable wound inside the housing.



W 62-19-4303

**Multi-Purpose Light & Powerstation "Terrazza"**

Model No. : 1174303

- Light and power supply in one. A perfect appliance for your home and workshop, e.g. on the patio, balcony or on the camping site.
- This mobile lamp with 3 socket outlets can be rotated and clamped to any required position.
- This enables an easy connection of electric appliances and an optimal adjustment of the light.
- Fitted to a stable, varnished metallic frame for safe standing in any position.
- A breakproof, transparent cover provides optimal light transmission. With fittings E 27,
- suitable for both regular bulbs (60 W) or energy-saving bulbs (18W).
- With 3 m connecting cable H05VV-F 3G1.5 and earthed plug.



W 62-19-4203 / 4903

**Vario Line**

Model No. : 1104203 / 1108903

A compact, handy cable reel for home, office and DIY.

- Housing made of break-resistant plastic.
- Practical carrying handle.
- Twin feet ensure excellent stability.
- Easy to wind and rewind.
- With triple socket 240 V.



W 62-19-3986

**Premium-Alu-Line Technics**

Model No. : 1391003086

For connection of data processing/video/HiFi equipment and other appliances, e.g. PC, printer, modem, etc. for industrial, trade and private use.

- Attractive, timeless, sturdy housing made from aluminium with hardwearing, matt-finished surfaces, providing protection against dangerous electro-magnetic waves.
- Wall-mounting holes, hole suitable for hanging.
- 10 years product guarantee (when correctly used).
- With 4 standard and 2 extra widely spaced sockets to accommodate large charging units, etc.
- Excess cable can be wound around the housing.



W 62-19-5013 / 5054 / 5064

**Premium-Line Technics**

Model No. : 1198013 / 1194053 / 1195063

The robust cable reel made of rust-resistant, hot-dip galvanised steel sheet.

- With triple socket 240 V.
- Robust, galvanised steel-tube frame with comfortable carrying handle.



W 62-19-5053 / 5063 / 7853 / 8013 / 8053 / 8063

**Premium-Line Technics**

Model No. : 1215053 / 1205063 / 1218753 / 1208013 / 1218053 / 1208063

Top in quality and design, for every requirement and use.

- Reel body made of special break-resistant Reflex plastic.
- Robust, galvanised steel-tube frame with comfortable carrying handle.
- With triple socket 240 V.



W 62-19-5913

### Rotary dimmer switch RD-300

Model No. : 1505913

- Brightness of light adjustable from maximum intensity to romantically dimmed.
- Suitable for 20 - 150 watt incandescent lamps or 60 - 300 watt halogen lamps
- or 20 - 50 watt low-voltage halogen lamps.
- With fuse 1.6 Amps.



W 62-19-6013

### Dusk to dawn socket DS 70

Model No. : 1506013

- Connected appliances switches ON when it starts getting dark, at dawn it switches OFF again.
- Adjustable light sensor.
- Automatic ON/OFF function by light sensor.
- Operating indicator.
- 240 V/13 A.



W 62-19-6413

### Digital Weekly Timer HBT 100

Model No. : 1506413

- Clear display for days, hours (12 or 24 hour rhythm), minutes and seconds.
- 20 ON/OFF programmes for day, hour and minute setting.
- Various additional functions such as:
  - Countdown function (from 24 hrs. to zero)
  - Random function, GMT/BST (summer/winter time)
  - Manual ON/OFF
  - Programme interruption
  - Data memory in case of power cut (2 batteries AG13 included).
- Clear LED display.
- 240 V/13 A.



W 62-19-6453

### 24-hour Timer MZ 20

Model No. : 1506453

The competitively priced timer with 24-hour programme.

- Up to 96 on/off switching times per day can be set.
- Shortest switching time: 15 minutes.
- Easy to set.
- Childproof sockets.
- In blister packaging.



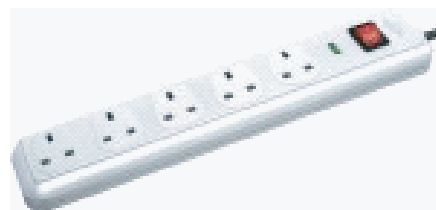
W 62-19-6723

### Voltage surge and lightning protector SP

Model No. : 1506723

Voltage surge and lightning protector 4.500 A.

- For effective protection of valuable appliances against power surges and indirect lightning strikes up to 4.500 A.
- Power Interruption within 25 Nano seconds.
- Green light indicating surge voltage is active.



W 62-19-6753

### Eco-Line Surge Protection 9.000 A

Model No. : 1156753

- The competitively priced quality socket outlet rail for DIY, home and office.
- Prevents damage or destruction from voltage peaks, and provides effective protection against indirect lightning strikes.
- Suitable for wall fixing. With 2 m cable with BS-plug 13 A.
- Equipped with an illuminated on/off switch and surge neon indicator.
- Delivered in a plastic bag with header card.
- Green light indicating surge voltage is active.





W 62-19-7013

### Voltage surge and lightning protector SP TV

Model No. : 1507013

TV & Hifi protection. Voltage surge and lightning protector 4.500 A for protection of the aerals & mains.

- For effective protection of valuable appliances such as HIFIs and TV against power surges and indirect lightning strikes up to 4.500 A.
- Power Interruption within 25 Nano seconds.
- Green light indicating surge voltage is active.
- Surge protection for aerial & mains.



W 62-19-7183

### Low Energy Lamp

Model No. : 1177183

- With switch.
- Ergonomically designed hexagonal handle, prevents rolling away.
- 5 m special oil-resistant rubber-neoprene cable.
- Bulb replaceable.
- Water-jet protected, IP 44.
- Blister.



W 62-19-8073

### Garant® S 110 V CEE 2

Model No. : 1198073

The robust cable reel made of rust-resistant, hot-dip galvanised steel sheet.

- With twin socket 110 V/16 A.
- Robust, galvanised steel-tube frame with comfortable carrying handle.



W 62-19-8553

### Garant® KMR

Model No. : 1208553

With radio FM.

- Reel body made of special break-resistant Breflex plastic.
- Robust, galvanised steel-tube frame with comfortable carrying handle.
- With triple socket 240 V.
- Delivered in a full colour sales box.



W 62-19-8853 / 8863

### Garant® Bretec®

Model No. : 1208853 / 1208863

With non-turning socket system for comfortable working.

- No more dangerous twisting of connected appliances when winding or unwinding.
- No more plugging in or out when moving the cable reel.
- Avoids a lot of unnecessary work.
- With triple socket 240 V.
- With new cable guide handle.



W 71-88-9037

**Heat detector BH 100/9**

Model No. : 1290370

For even more safety in the home. Ideal for kitchens, garages or other closed rooms, where due to cause of heat or exhausts a smoke alarm is not suitable. The heat alarm gives a signal at a room temperature of 60°C.

- Warning light and acoustic signal.
- Short reaction time.
- Large, protected sensor aperture for efficient response function.
- Function test button.
- With battery monitoring feature.
- Includes 9 V battery.
- 10 blister in one display



W 71-88-0102

**Smoke Detector BR 102**

Model No. : 1290300

Photoelectric smoke detector, approved acc. to VDS

- The high-quality sensor promptly and reliably emits a shrill acoustic alarm if life endangering smoke develops.
- Low battery signal.
- Appropriately positioned smoke inlet aperture ensures reliable smoke response behaviour.
- Straightforward, cordless installation.
- 9 V battery included.
- Also particularly suitable for transferable use in motor homes or caravans.
- Short reaction time.
- Function test button.
- 10 blister in one display



W 71-88-9040

**Interlink Smoke Alarm set BR 102-F**

Model No. : 1290400

Opto-electronic smoke detector with radio transmitter for wireless interlinking of up to 12 smoke detectors. Reliable, early warning of smoke build-up can save lives and protect property.

- To ensure the optimum protection in an apartment or house, smoke detectors should be installed in different rooms or on several floors.
- Appropriately positioned smoke inlet aperture ensures reliable smoke response behaviour.
- As the result of the wireless radio interlink, even the presence of a fire detected in a remote room will be transmitted to all the smoke detectors in the system which then simultaneously signal the build-up of smoke by means of a loud acoustic alarm.
- Smoke detectors can be installed at distances up to 30 m from each other.
- Function test button.
- Automatic self-control.
- Requires assembly.
- Includes one 9 V battery each smoke detector.
- Includes 4 x 1,5 V batteries Typ AA.
- Transmitter/receiver frequency: 433.92 MHz.
- Pack specification: Two smoke detectors each with a transmitter and receiver.



W 71-88-9030

**Photoelectric Smoke Alarm BR 230**

Model No. : 1290340

- Easy installation to mains power supply (240 V).
- Can be interlinked with up to 12 alarms.
- Alarm signal transmitted to all detectors, followed by display of actual fire location.
- 9 Volt battery (included) back up, continues to operate when house power fails.
- Low battery signal.
- With function check on mains power supply.
- Highly sensitive, short reaction time.
- Loud alarm.
- 10 blister in one display




**W 88-04-0001**

Model No.	Hol-098
Description	Hol-098, Auto-Stand for TS-4500
Features	Offer hands-free scanning


**W 88-04-1100**

Model No.	BCP-1100
Description	TYSSO BCP-1100 Barcode Reader
Scanner Engine	CCD type
Readable Barcodes	Code 39, Full ASCII Code 39, UPC/EAN/JAN, Codabar, Interleaved 2/5, Code 11, Code 93, MSI/Plessey, Code 128, etc
Connectivity	RS232 and USB


**W 88-04-4110**

Model No.	BCP-4110
Description	TYSSO BCP-1100 Barcode Reader
Scanner Engine	Laser Diode type
Readable Barcodes	Code 39, Full ASCII Code 39, UPC/EAN/JAN, Codabar, Interleaved 2/5, Code 11, Code 93, MSI/Plessey, Code 128, etc
Connectivity	RS232 and USB


**W 88-04-0083**

Model No.	CCD-800KP-M
Description	TYSSO CCD-800KP CCD Bar Code Scanner w/PS2
Scanner Engine	CCD type
Scan Rate	33 – 100 Scans/sec
Resolution	0.1mm (4 mil) Max.
Readable Barcodes	Code 39, Full ASCII Code 39, UPC/EAN/JAN, Codabar, Interleaved 2/5, Code 11, Code 93, MSI/Plessey, Code 128, Code 4
Connectivity	DB9, DB25, AMP, RJ-45, RJ-11, DIN5, DIN6, PS/2


**W 88-04-0380**

Model No.	KS-380WR-K
Description	TYSSO KS-380WR-K Laser Bar Scanner PS/2
Scanner Engine	Laser Diode type
Scan Rate	33 – 100 Scans/sec
Resolution	0.1mm (4 mil) Max.
Readable Barcodes	Code 39, Full ASCII Code 39, UPC/EAN/JAN, Codabar, Interleaved 2/5, Code 11, Code 93, MSI/Plessey, Code 128, Code 4
Connectivity	DB9, DB25, AMP, DIN5, Mini-Din6


**W 88-04-0960**

Model No.	LAG-960LR-KP
Description	TYSSO LAG-960-LR-KP 2M Laser Scanner (PS/2)
Scanner Engine	Laser Diode type
Scan Rate	33 – 100 Scans/sec
Resolution	0.15mm (6 mil) Max.
Readable Barcodes	Code 39, Full ASCII Code 39, UPC/EAN/JAN, Codabar, Interleaved 2/5, Code 11, Code 93, MSI/Plessey, Code 128, Code 4
Connectivity	DB9, DB25, AMP, RJ-45, RJ-11, DIN5


**W 88-04-3960**

Model No.	LAG-960SR
Description	TYSSO LAG-960SR 5mil 30cm Laser Scanner (Keyboard)
Scanner Engine	Laser Diode type
Scan Rate	33 – 100 Scans/sec
Resolution	0.125mm (5 mil) Max.
Readable Barcodes	Code 39, Full ASCII Code 39, UPC/EAN/JAN, Codabar, Interleaved 2/5, Code 11, Code 93, MSI/Plessey, Code 128, Code 4
Connectivity	DB9, DB25, AMP, RJ-45, RJ-11, DIN5


**W 88-04-4960**

Model No.	LAG-960SR-USB
Description	TYSSO LAG-960SR-USB Barcode Laser Scanner (USB)
Scanner Engine	Laser Diode type
Scan Rate	33 – 100 Scans/sec
Resolution	0.125mm (5 mil) Max.
Readable Barcodes	Code 39, Full ASCII Code 39, UPC/EAN/JAN, Codabar, Interleaved 2/5, Code 11, Code 93, MSI/Plessey, Code 128, Code 4
Connectivity	DB9, DB25, AMP, RJ-45, RJ-11, DIN5


**W 88-04-5960**

Model No.	LAG-960TR-USB
Description	TYSSO LAG-960TR-USB Barcode Laser Scanner (USB)
Scanner Engine	Laser Diode type
Scan Rate	33 – 100 Scans/sec
Resolution	0.1mm (4 mil) Max.
Readable Barcodes	Code 39, Full ASCII Code 39, UPC/EAN/JAN, Codabar, Interleaved 2/5, Code 11, Code 93, MSI/Plessey, Code 128, Code 4
Connectivity	DB9, DB25, AMP, RJ-45, RJ-11, DIN5


**W 88-04-4501**

Model No.	TS-4500K
Description	TYSSO TS-4500K CCD SCANNER PS/2 Port
Scanner Engine	CCD type
Scan Rate	100 Scans/sec
Resolution	0.1mm (4 mil) Max.
Readable Barcodes	Code 39, Full ASCII Code 39, UPC/EAN/JAN, Codabar, Interleaved 2/5, Code 11, Code 93, MSI/Plessey, Code 128, Code 4
Connectivity	DB9, DB25, AMP, DIN5, Mini-Din6


**W 88-04-4502**

Model No.	TS-4500U
Description	TYSSO TS-4500U CCD SCANNER (USB Port)
Scanner Engine	CCD type
Scan Rate	100 Scans/sec
Resolution	0.1mm (4 mil) Max.
Readable Barcodes	Code 39, Full ASCII Code 39, UPC/EAN/JAN, Codabar, Interleaved 2/5, Code 11, Code 93, MSI/Plessey, Code 128, Code 4
Connectivity	DB9, DB25, AMP, DIN5, Mini-Din6


**W 88-04-0800**

Model No.	QC-800
Description	Welch Allyn QC-800 Bar Code Scanner
Scanner Engine	CCD type
Scan Rate	100 Scans/sec
Resolution	0.075mm (3 mil) Max.
Readable Barcodes	EAN/UPC with addenda, Code 11, 39, 49, 93, 128, 16K, Interleaved 2 of 5, Codabar, MSI, Regular 2 of 5, IATA 2 of 5, Database look-up feature
Connectivity	RS-232




**W** 88-13-0110

Model No.	eCOV-110-N
Description	TYSSO eCOV-110 RS232 -> TCP/IP
Features	RS-232 Serial to Ethernet Converter


**W** 88-13-0115

Model No.	eCOV-115
Description	TYSSO eCOV-115 Mini RS-232 Ethernet Server
Features	RS232 Serial to Ethernet Converter (mini size)


**W** 88-13-0132

Model No.	eCOV-132T-N
Description	TYSSO eCOV-132T RS-232/422/485-to-Ethernet Box
Features	RS232/422/485 Serial to Ethernet converter

品牌: **WEBBER**

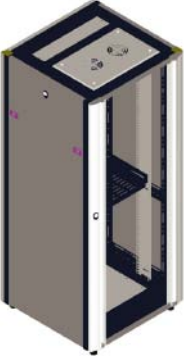
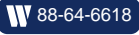
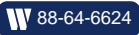
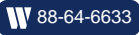
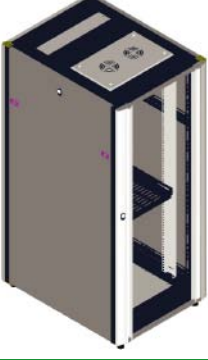

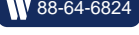
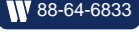
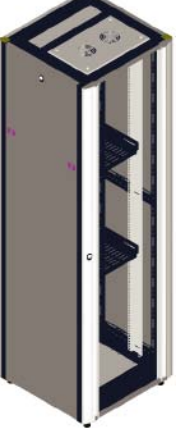
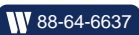




系列: **NG-L系列高檔網絡機柜**

靜態承重(Static Loading): **800Kg**

顏色: 柜體及配件(Body and accessories): 35#咖啡灰(Coffee);

門邊(Door frame): 32#銀灰(Silver gray);

玻璃(Glass): 無色透明強化玻璃(Colorless limpid)

Diagram 圖樣	Model 型號	Product code 產品編號	Description 名稱	Dimension (mm)			Equipment 標配簡介	組裝體積 (m³)	拆裝體積 (m³)	毛重 (kg)
				W	D	H(U)				
	NG-L-6618	 88-64-6618	高檔豪華座地式網絡機柜(High-grade Network rack floor-type)	600	600	958(18U)	2把風扇、1件固定層板、30套彈弓方螺母、標配接地裝置	0.42	<b>A:0.18 B:0.17 共0.35</b>	56
	NG-L-6624	 88-64-6624		600	600	1224(24U)	(2 fans, 1 fixed shelf, 30 sets of captive square nuts and grounding device)	0.53	<b>A:0.23 B:0.22 共0.45</b>	62
	NG-L-6633	 88-64-6633		600	600	1625(33U)		0.7	<b>A:0.24 B:0.23 共0.47</b>	75
	NG-L-6818	 88-64-6818	高檔豪華座地式網絡機柜(High-grade Network rack floor-type)	600	800	958(18U)	2把風扇、1件固定層板、30套彈弓方螺母、標配接地裝置	0.55	<b>A:0.18 B:0.23 共0.41</b>	62
	NG-L-6824	 88-64-6824		600	800	1224(24U)	(2 fans, 1 fixed shelf, 30 sets of captive square nuts and grounding device)	0.7	<b>A:0.23 B:0.24 共0.47</b>	70
	NG-L-6833	 88-64-6833		600	800	1625(33U)		0.92	<b>A:0.24 B:0.25 共0.49</b>	83
	NG-L-6637	 88-64-6637	高檔豪華座地式網絡機柜(High-grade Network rack floor-type)	600	600	1803(37U)	2把風扇、2件固定層板、50套彈弓方螺母、標配接地裝置	0.78	<b>A:0.24 B:0.26 共0.50</b>	85
	NG-L-6642	 88-64-6642		600	600	2025(42U)	(2 fans, 2 fixed shelves, 50 sets of captive square nuts and grounding device)	0.87	<b>A:0.25 B:0.27 共0.52</b>	89
	NG-L-6837	 88-64-6837	高檔豪華座地式網絡機柜(High-grade Network rack floor-type)	600	800	1803(37U)	4把風扇、2件固定層板、50套彈弓方螺母、標配接地裝置	1.02	<b>A:0.26 B:0.28 共0.54</b>	88
	NG-L-6842	 88-64-6842		600	800	2025(42U)	(4 fans, 2 fixed shelves, 50 sets of captive square nuts and grounding device)	1.14	<b>A:0.29 B:0.30 共0.59</b>	95






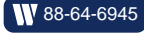
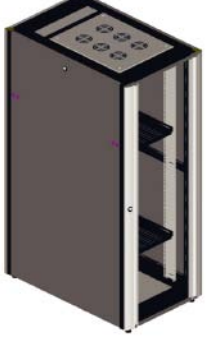



品牌: **WEBBER**

系列: **NG-L系列高檔網絡、服務器機柜** 靜態承重(Static Loading): **1000Kg**

顏色: 柜體及配件(Body and accessories): 35#咖啡灰(Coffee);

門邊(Door frame): 32#銀灰(Silver gray);

玻璃(Glass): 無色透明(Colorless limpid)


Diagram 圖樣	Model 型號	Product code 產品編號	Description 名稱	Dimension (mm)			Equipment 標配簡介	組裝體積 (m³)	拆裝體積 (m³)	毛重 (kg)
				W	D	H(U)				
	NG-L-6942	 88-64-6942	高檔豪華服務器機柜 (High-grade Server rack)	600	970	2025(42U)	6把風扇、2件固定層板、50套彈弓方螺母、標配接地裝置 (6fans、2 fixed shelves、50 sets of captive square nuts、grounding device)	1.27	<b>A:0.36 B:0.31 共0.67</b>	109
	NG-L-6945	 88-64-6945	高檔豪華服務器機柜 (High-grade Server rack)	600	970	2158(45U)	6把風扇、2件固定層板、50套彈弓方螺母、標配接地裝置 (6fans、2 fixed shelves、50 sets of captive square nuts、grounding device)	1.35	<b>A:0.40 B:0.34 共0.74</b>	118
	NG-L-8942	 88-64-8942	高檔豪華服務器機柜 (High-grade Server rack)	800	970	2025(42U)	6把風扇、2件固定層板、50套彈弓方螺母、標配接地裝置 (6fans、2 fixed shelves、50 sets of captive square nuts、grounding device)	1.67	<b>A:0.45 B:0.31 共0.76</b>	140
	NG-L-8945	 88-64-8945	高檔豪華服務器機柜 (High-grade Server rack)	800	970	2158(45U)	6把風扇、2件固定層板、50套彈弓方螺母、標配接地裝置 (6fans、2 fixed shelves、50 sets of captive square nuts、grounding device)	1.78	<b>A:0.51 B:0.34 共0.85</b>	146

品牌: **WEBBER**

系列: **NG-S系列高透氣豪華服務器機柜** 靜態承重(Static Loading): **1200Kg**

顏色: 柜體及配件(Body and accessories): 23<sup>#</sup>藍沙紋(Nightshadow Blue)

門邊(Door frame): 陽極氧化銀白色(Electroplating--silvery white);

Diagram 圖樣	Model 型號	Product code 產品編號	Description 名稱	Dimension (mm)			Equipment 標配簡介	組裝體積 (m³)	拆裝體積 (m³)	毛重 (kg)
				W	D	H(U)				
	NG-S-6942		高檔豪華服務器機柜 (High-grade Server rack)	600	970	2025(42U)	6把風扇、2件固定層板、50套彈弓方螺母、標配接地裝置 (6fans、2 fixed shelves、50 sets of captive square nuts、grounding device)	1.27	<b>A:0.36 B:0.31 共0.67</b>	155
	NG-S-6945			600	970	2158(45U)		1.35	<b>A:0.40 B:0.34 共0.74</b>	163
	NG-S-6142		高檔豪華服務器機柜 (High-grade Server rack)	600	1100	2025(42U)	6把風扇、2件固定層板、50套彈弓方螺母、標配接地裝置 (6fans、2 fixed shelves、50 sets of captive square nuts、grounding device)	1.44	<b>A:0.36 B:0.35 共0.71</b>	171
	NG-S-6145			600	1100	2158(45U)		1.53	<b>A:0.40 B:0.38 共0.78</b>	180
	NG-S-8942		高檔豪華服務器機柜 (High-grade Server rack)	800	970	2025(42U)	6把風扇、2件固定層板、50套彈弓方螺母、標配接地裝置 (6fans、2 fixed shelves、50 sets of captive square nuts、grounding device)	1.67	<b>A:0.45 B:0.31 共0.76</b>	178
	NG-S-8945			800	970	2158(45U)		1.78	<b>A:0.51 B:0.34 共0.85</b>	189
	NG-S-8142		高檔豪華服務器機柜 (High-grade Server rack)	800	1100	2025(42U)	6把風扇、2件固定層板、50套彈弓方螺母、標配接地裝置 (6fans、2 fixed shelves、50 sets of captive square nuts、grounding device)	1.90	<b>A:0.45 B:0.35 共0.80</b>	193
	NG-S-8145			800	1100	2158(45U)		2.03	<b>A:0.48 B:0.37 共0.85</b>	203


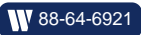

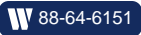
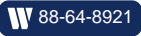
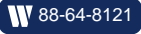
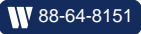


品牌: **WEBBER**

系列: **NG-P系列高透氣豪華服務器機柜** 靜態承重(Static Loading): **1200Kg**

顏色: 柜體及配件(Body and accessories): 23<sup>#</sup>藍沙紋(Nightshadow Blue);

門邊(Door frame): 陽極氧化銀白色(Electroplating--silvery white);

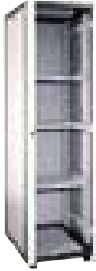

Diagram 圖樣	Model 型號	Product code 產品編號	Description 名稱	Dimension (mm)			Equipment 標配簡介	組裝體 積 (m³)	拆裝體 積 (m³)	毛重 (kg)
				W	D	H(U)				
	NG-P-6942		高檔豪華服務器機柜 (High-grade server rack)	600	970	2025(42U)	6把風扇、2件固定層板、50套彈弓方螺母、標配接地裝置 (6fans、2 fixed shelves、50 sets of captive square nuts、grounding device)	1.27	<b>A:0.36 B:0.31 共0.67</b>	155
	NG-P-6945			600	970	2158(45U)		1.35		163
	NG-P-6142	<b>歡迎垂詢</b>	高檔豪華服務器機柜 (High-grade server rack)	600	1100	2025(42U)	6把風扇、2件固定層板、50套彈弓方螺母、標配接地裝置 (6fans、2 fixed shelves、50 sets of captive square nuts、grounding device)	1.44	<b>A:0.36 B:0.35 共0.71</b>	171
	NG-P-6145			600	1100	2158(45U)		1.53		180
	NG-P-8942		高檔豪華服務器機柜 (High-grade server rack)	800	970	2025(42U)	6把風扇、2件固定層板、50套彈弓方螺母、標配接地裝置 (6fans、2 fixed shelves、50 sets of captive square nuts、grounding device)	1.67	<b>A:0.45 B:0.31 共0.76</b>	178
	NG-P-8945			800	970	2158(45U)		1.78		189
	NG-P-8142		高檔豪華服務器機柜 (High-grade server rack)	800	1100	2025(42U)	6把風扇、2件固定層板、50套彈弓方螺母、標配接地裝置 (6fans、2 fixed shelves、50 sets of captive square nuts、grounding device)	1.90	<b>A:0.45 B:0.35 共0.80</b>	193
	NG-P-8145			800	1100	2158(45U)		2.03		203

品牌: **WEBBER**

系列: **DS系列網絡、服務器機柜** 座地柜靜態承重(Loading): **800Kg**

顏色: 柜體及配件(Body and accessories): 25#黑沙紋(Pure Black);

玻璃(Glass): 無色透明(Colorless limpid)







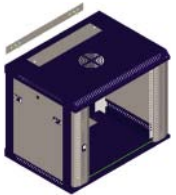





Diagram 圖樣	Model 型號	Product code 產品編號	Description 名稱	Dimension (mm)			Equipment 標配簡介	組裝體積 (m³)	毛重 (kg)
				W	D	H(U)			
	DS-6642	 88-65-6642	座地網絡機柜 (Network Rack-floor type)	600	600	2025(42U)	2把風扇,2件固定層板,50套彈弓方螺母,標配接地裝置 (2 fans, 2 fixed shelves, 50 setsof captive square nutsand grounding device)	0.87	85

品牌: **WEBBER**

系列: **HKT系列網絡機柜** 座地柜靜態承重(Loading): **800Kg**

顏色: 柜體及配件(Body and accessories): 25#黑沙紋(Pure Black);

玻璃(Glass): 無色透明(Colorless limpid)

Diagram 圖樣	Model 型號	Product code 產品編號	Description 名稱	Dimension (mm)			Equipment 標配簡介	組裝體積 (m³)	拆裝體積 (m³)	毛重 (kg)
				W	D	H(U)				
	HKT-6942	 88-66-6942	座地服務器機柜(Server rack-floor type)	600	970	2045(42U)	6把風扇、2件固定層板、50套彈弓方螺母、標配接地裝置,前、后門把手鎖(6 fans、2 fixed shelves、50 sets of captive square nuts、grounding device)	1.34	<b>A:0.44 B:0.36 共0.80</b>	150.00
	HKT-S6837	 88-66-6837	座地高透氣服務器機柜(High-grade Server rack-floor type)	600	800	1823(37U)	4把風扇、2件固定層板、50套彈弓方螺母、標配接地裝置,前、后門把手鎖	1.02	<b>A:0.36 B:0.35 共0.71</b>	90
	HKT-S6842	 88-66-6821		600	800	2045(42U)	4把風扇、2件固定層板、50套彈弓方螺母、標配接地裝置,前、后門把手鎖	1.14	<b>A:0.38 B:0.36 共0.74</b>	98
	HKT-S6937	 88-66-6937		600	970	1823(37U)	6把風扇、2件固定層板、50套彈弓方螺母、標配接地裝置,前、后門把手鎖	1.2	<b>A:0.39 B:0.35 共0.74</b>	137
	HKT-S6942	<b>歡迎垂詢</b>		600	970	2045(42U)	6把風扇、2件固定層板、50套彈弓方螺母、標配接地裝置,前、后門把手鎖	1.36	<b>A:0.44 B:0.36 共0.80</b>	148
	HKT-6406	 88-66-6406	掛壁網絡機柜(Network rack-wall mounted)	600	450	368(6U)	預留風扇位,不標配風扇,側門為敲落鎖孔不配鎖,標配10套彈弓方螺母(One fan tyay without fans,onehole in the sideand for lock no sets of captire square nuts)	0.12	*****	13.5
	HKT-6409	 88-66-6409		600	450	501(9U)		0.16	*****	16.6
	HKT-6412	 88-66-6412		600	450	635(12U)		0.20	*****	18.3
	HKT-6415	 88-66-6415		600	450	768(15U)		0.25	*****	21.5
	HKT-6418	 88-66-6418		600	450	901(18U)		0.29	*****	25.9






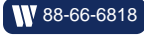
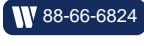
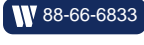

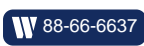


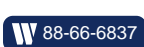





品牌: **WEBBER**

系列: **HKT系列網絡機柜** 座地柜靜態承重(Loading): **800Kg**



顏色: 柜體及配件(Body and accessories): 25#黑沙紋(Pure Black);

玻璃(Glass): 無色透明(Colorless limp)


Diagram 圖樣	Model 型號	Product code 產品編號	Description 名稱	Dimension (mm)			Equipment 標配簡介	組裝體積 (m³)	拆裝體積 (m³)	毛重 (kg)
				W	D	H(U)				
	HKT-6618	 88-66-6618	座地網絡機柜(network rack floor type)	600	600	978(18U)	2把風扇、1件固定層板、30套彈弓方螺母、標配接地裝置(2 fans、1 fixed shelves、30 sets of captive square nuts、grounding device)	0.42	<b>A:0.18 B:0.17 共0.35</b>	56
	HKT-6624	 88-66-6624		600	600	1244(24U)		0.53	<b>A:0.23 B:0.22 共0.45</b>	62
	HKT-6633	 88-66-6633		600	600	1645(33U)		0.7	<b>A:0.31 B:0.28 共0.59</b>	75
	HKT-6818	 88-66-6818	座地網絡機柜(network rack floor type)	600	800	978(18U)	2把風扇、1件固定層板、30套彈弓方螺母、標配接地裝置(2 fans、1 fixed shelves、30 sets of captive square nuts、grounding device)	0.55	<b>A:0.18 B:0.28 共0.46</b>	62
	HKT-6824	 88-66-6824		600	800	1244(24U)		0.7	<b>A:0.23 B:0.28 共0.51</b>	70
	HKT-6833	 88-66-6833		600	800	1645(33U)		0.92	<b>A:0.31 B:0.28 共0.59</b>	83
	HKT-6637	 88-66-6637	座地網絡機柜(network rack floor type)	600	600	1823(37U)	2把風扇、2件固定層板、50套彈弓方螺母、標配接地裝置(2 fans、2 fixed shelves、50 sets of captive square nuts、grounding device)	0.78	<b>A:0.34 B:0.31 共0.65</b>	85
	HKT-6642	 88-66-6642		600	600	2045(42U)		0.87	<b>A:0.38 B:0.35 共0.73</b>	87
	HKT-6837	 88-66-6837	座地網絡機柜(network rack floor type)	600	800	1823(37U)	4把風扇、2件固定層板、50套彈弓方螺母、標配接地裝置(4 fans、2 fixed shelves、50 sets of captive square nuts、grounding device)	1.02	<b>A:0.36 B:0.35 共0.71</b>	88
	HKT-6842	 88-66-6842		600	800	2045(42U)		1.14	<b>A:0.38 B:0.36 共0.74</b>	95

Product Code	Model Number	Description	Dimension(mm)	Remark
 歡迎垂詢	FAN-002	2位風扇單元	482.6 x 160 x 43.6(1U)	用于19"标准各款機柜，標配2.5米帶AC電源插頭的電源線，配備相關要求的電源插頭(For 19" Eir rack)
 歡迎垂詢	FAN-003	3位風扇單元	482.6 x 160 x 43.6(1U)	





Product Code	Model Number	Description	Dimension(mm)	Remark
 歡迎垂詢	FAN-004	4位風扇單元	482.6 x 320 x 43.6(1U)	用于19"标准各款機柜，標配2.5米帶AC電源插頭的電源線，配備相關要求的電源插頭(For 19" Eir rack)
 歡迎垂詢	FAN-006	6位風扇單元	482.6 x 620 x 43.6(1U)	





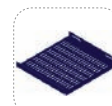
Product Code	Model Number	Description	Dimension(mm)	Remark
 歡迎垂詢	FS-4360-C	挂牆柜固定層板	496 x 336 x 60	用于DS、HKT挂牆柜內，用料1.0mm





Product Code	Model Number	Description	Dimension(mm)	Remark
 88-67-4460	FS-4460-A	固定層板(Fixed shelf)	490 x 436 x 60	用于HKT、NG、WE等系列800D機柜內
 88-67-4360	FS-4360-A	固定層板(Fixed shelf)	490 x 336 x 60	用于HKT、NG、WE等系列600D機柜內




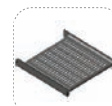
Product Code	Model Number	Description	Dimension(mm)	Remark
 歡迎垂詢	FS-4460-B	固定層板(Fixed shelf)	470 x 436 x 60	用于DS系列800D機柜內,用1.5mm料
 歡迎垂詢	FS-4360-B	固定層板(Fixed shelf)	470 x 336 x 60	用于DS系列600D機柜內，用1.5mm料




Product Code	Model Number	Description	Dimension(mm)	Remark
 88-67-4660	FS-4660-A	固定層板(Fixed shelf)	490 x 620 x 60	用于HKT、NG、WE、BR等系列950D之或以上機柜內
 歡迎垂詢	FS-4760-A	固定層板(Fixed shelf)	490 x 750 x 60	用于NG、BR等系列之1100D或以上機柜內




Product Code	Model Number	Description	Dimension(mm)	Remark
 88-67-4353	DK-4353	普通拉層板	483 x 359 x 53	用于DS、HKT、NG-L等系列之600D機柜上。拉板盡深為336mm，用14"三節走珠路軌，配件用料厚度1.2mm。




Product Code	Model Number	Description	Dimension(mm)	Remark
 歡迎垂詢	DK-4453	DS系列800D專用拉層板	483 x 494 x 53	用于DS系列之800D機柜上。拉板盡深為436mm，用18"三節走珠路軌，配件用料厚度1.2mm。




Product Code	Model Number	Description	Dimension(mm)	Remark
 88-67-4461	DK-4460-001	可調節拉層板	483 x 456 x 60	用于HKT、WE、NG、BR等系列之800D或以上機柜。拉板盡深為436mm,用18"三節走珠路軌，配件用料厚度1.2mm。




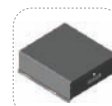
Product Code	Model Number	Description	Dimension(mm)	Remark
 88-67-4462	DK-4460-002	滑鼠拉層板	483 x 456 x 60	用于HKT、WE、NG、BR等系列之800D或以上機柜。拉板盡深為436mm，拉板用18"三節走珠路軌，滑鼠板用14"兩節走珠路軌，配件用料厚度1.0~1.2mm。




Product Code	Model Number	Description	Dimension(mm)	Remark
 歡迎垂詢	KD-4460	鍵盤拉柜桶	482.6 x 456 x 60	用于HKT、WE、NG、BR等系列之800D或以上機柜。拉板盡深為436mm，拉板用18"三節走珠路軌，柜桶用14"三節走珠路軌，用料厚度1.0~1.2mm。




Product Code	Model Number	Description	Dimension(mm)	Remark
 歡迎垂詢	KD-4513	工具拉柜桶	490 x 508 x 133.5	用于HKT、WE、NG、BR等系列之800D或以上機柜。柜桶盡深420mm，用16"三節走珠路軌，用料厚度1.0~1.5mm。




Product Code	Model Number	Description	Dimension(mm)	Remark
 歡迎垂詢	FR-5536	支撐碼(角鐵托)	50 x 336 x 50	用于DS、HKT系列之挂牆柜及DS、HKT、NG等系列之600D座地柜，用料2.0mm。銷售價為一對的價格




Product Code	Model Number	Description	Dimension(mm)	Remark
 88-67-5543	FR-5543	支撐碼(角鐵托)	50 x 436 x 50	用于DS、HKT、WE、NG、BR系列之800D座地柜，用料2.0mm。銷售價為一對的價格



Product Code	Model Number	Description	Dimension(mm)	Remark
 88-67-5562	FR-5562	支撐碼(角鐵托)	50 x 620 x 50	用于HKT、WE、NG、BR系列之960D或以上座地柜，用料2.0mm。銷售價為一對的價格



Product Code	Model Number	Description	Dimension(mm)	Remark
 88-67-5575	FR-5575	支撐碼(角鐵托)	50 x 750 x 50	用于NG、BR系列之1100D或以上座地柜，用料2.5mm。銷售價為一對的價格





Product Code	Model Number	Description	Remark
<b>W</b> 88-67-1326	13A-MK-6-E	六位豎裝英制排插 (Six Square socket)	配3米尾線及相應插頭，豎裝于架線柱上，電源輸入端額定電流13A,電源線採用3X1.0平方毫米的電纜線。



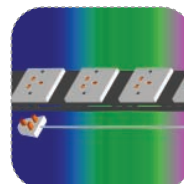
Product Code	Model Number	Description	Remark
<b>W</b> 歡迎垂詢	10A-HV-6-E	六位豎裝英制排插 (Six Square socket)	配3米尾線及相應插頭，豎裝于架線柱上，電源輸入端額定電流10A,電源線採用3X1.0平方毫米的電纜線。



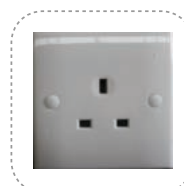
Product Code	Model Number	Description	Remark
<b>W</b> 88-67-1316	13A-MK-6-L	六位橫裝英制排插 (Six Square socket)	配3米尾線及相應插頭，橫裝于左右"U"孔立柱上，電源輸入端額定電流13A,電源線採用3X1.0平方毫米的電纜線。



Product Code	Model Number	Description	Remark
<b>W</b> 88-67-1356	13A-MK-05	五位英制插座板	配3米尾線及相應插頭，豎裝于機柜立柱或架線柱上，具體根據機柜或機架結構而定；電源輸入端額定電流13A,電源線採用3X1.5平方毫米的電纜線。
<b>W</b> 88-67-1306	13A-MK-06	六位英制插座板	
<b>W</b> 88-67-1386	13A-MK-08	八位英制插座板	
<b>W</b> 88-67-1336	13A-MK-10	十位英制插座板	
<b>W</b> 88-67-1346	13A-MK-12	十二位英制插座板	



Product Code	Model Number	Description	Remark
<b>W</b> 歡迎垂詢	13A-MK	英制插座板 (Square socket)	不配底盒；此款屬於英標插座



Product Code	Model Number	Description	Remark
<b>W</b> 88-67-1220	FA-2004-220V	滾珠軸承風扇	電源線及插頭另計



Product Code	Model Number	Description	Remark
<b>W</b> 88-67-2006	M6-16-S	M6*16 “+” 字圓頭螺絲	電源線及插頭另計
	M6-SS-NUT	M6不鏽鋼彈弓方螺母	



Product Code	Model Number	Description	Remark
<b>W</b> 歡迎垂詢	SJ-16"	普通三節走珠路軌	用冷軋鋼板制做，表面電鍍白鋅，19"標準各款機柜、監控台等之拉板、拉柜桶等相關部件
<b>W</b> 歡迎垂詢	SJ-18"	普通三節走珠路軌	
<b>W</b> 歡迎垂詢	SJ-20"	普通三節走珠路軌	
<b>W</b> 歡迎垂詢	SJ-22"	普通三節走珠路軌	
<b>W</b> 歡迎垂詢	SJ-24"	普通三節走珠路軌	



Product Code	Model Number	Description	Remark
<b>W</b> 歡迎垂詢	LJ-14"	普通兩節走珠路軌	用冷軋鋼板制做，表面電鍍白鋅，監控台、機架之台面拉板
<b>W</b> 歡迎垂詢	LJ-16"	普通兩節走珠路軌	



## Genesys Rack Case (機箱)

Product Code	Model Number	Description	3.5" Open Tray	3.5" Tray	5.25" Tray	Power Supply	Riser
88-19-1501	RACK-1500BV1	19" 1U RACK-1500BV1 ATX	1	2	1	200W	Yes
88-19-1200	RACK-2000(Black)	19" 2U RACK-2000B	1	6	1	350W	Yes
88-19-2100	RACK-2100V1	19" 2U RACK-2100V1 ATX	1	2	2	Nil	Yes
88-19-2101	RACK-2100S	19" 2U RACK-2100S ATX	2	2	2	Nil	Yes
88-19-2201	RACK-2200L1R1	19" 2U RACK-2200L1R1	Nil	6	2	460W	Nil
88-19-2204	RACK-2200L2R4	19" 2U RACK-2200L2R4 IDE	1	6	1	350-700W	Nil
88-19-2205	RACK-2200L1R5	19" 2U RACK-2200L1R5	Nil	6	3	Nil	Nil
88-19-2210	RACK-2200L4R10 + P2G-6510P	19" 2U RACK-2200L4R10 With SATA Hot Swap	1	Nil	1	510W	Nil
88-19-2300	RACK 2300	19" RACK 2300 2U Computer Case	2	6	Nil	Nil	Nil
88-19-2301	RACK-2200L3R1	19" 2U RACK-2200L3R1 SCSI	2	4	2	Yes	Yes
88-19-2400	RACK-2400	19" 2U RACK-2400 ATX	1	2	4	400W	Yes
88-19-2401	RACK-2400L	19" 2U RACK-2400L ATX	1	2	4	400W	Yes
88-19-3000	RACK-3000	19" 3U RACK-3000 ATX	1	Nil	6	Nil	Nil
88-19-4000	RACK-4000	19" 4U RACK-4000 ATX	1	2	3	Nil	Nil
88-19-4100	RACK-4100	19" 4U RACK-4100 ATX	1	1	3	Nil	Nil
88-19-4401	RACK-4400B	19" 4U RACK-4400(Black) ATX	1	1	3	Nil	Nil
88-19-4500	RACK-4500	19" 4U RACK-4500	1	Nil	8	Nil	Nil



## Slide Rail (滑動路軌)

Product Code	Model Number	Description
88-26-2020	NJ-2020-20	20" Slide Rail (19") for 1U / 2U [ For Rack-1500BV1 ]
88-26-3018	NJ-3032-18	18" Full Extension Slide Rail (19") for 4U [ For All Rack Case ]





## RP 系列 高溫箱(附密封膠邊)

Product Code	Model Number	Description	Dimension W x L x H
W56-11-0221	RP1025	110°C 高溫箱 (附密封膠邊)	65x60x40mm
W56-11-0332	RP1060	110°C 高溫箱 (附密封膠邊)	85x80x55mm
W56-11-0532	RP1130	110°C 高溫箱 (附密封膠邊)	125x85x55mm
W56-11-0533	RP1150	110°C 高溫箱 (附密封膠邊)	125x85x85mm
W56-11-0632	RP1170	110°C 高溫箱 (附密封膠邊)	165x85x55mm
W56-11-0633	RP1240	110°C 高溫箱 (附密封膠邊)	165x125x75mm
W56-11-0763	RP1280	110°C 高溫箱 (附密封膠邊)	186x146x75mm



## RP 系列 (附密封膠邊)

Product Code	Model Number	Description	Dimension W x L x H
W56-11-1221	RP1021	膠箱 (附密封膠邊)	65x60x40mm
W56-11-1332	RP1065	膠箱 (附密封膠邊)	85x80x55mm
W56-11-1532	RP1135	膠箱 (附密封膠邊)	125x85x55mm
W56-11-1533	RP1151	膠箱 (附密封膠邊)	125x85x85mm
W56-11-1632	RP1175	膠箱 (附密封膠邊)	165x85x55mm
W56-11-1633	RP1181	膠箱 (附密封膠邊)	165x85x85mm
W56-11-1653	RP1241	膠箱 (附密封膠邊)	165x125x75mm
W56-11-1763	RP1285	膠箱 (附密封膠邊)	186x146x75mm
W56-11-1185	RP1385	*拱頂*防水大膠箱	186x146x110mm
W56-11-1380	RP1385C	*拱頂*透明防水大膠箱	186x146x110mm



## RP 系列 透明蓋防水膠箱

Product Code	Model Number	Description	Dimension W x L x H
W56-11-4221	RP1025C	透明蓋防水膠箱	65x60x40mm
W56-11-4332	RP1065C	透明蓋防水膠箱	85x80x55mm
W56-11-4532	RP1135C	透明蓋防水膠箱	125x85x55mm
W56-11-4533	RP1151C	透明蓋防水膠箱	125x85x85mm
W56-11-4632	RP1175C	透明蓋防水膠箱	165x85x55mm
W56-11-4633	RP1185C	透明蓋防水膠箱	165x85x85mm
W56-11-4653	RP1245C	透明蓋防水膠箱	165x125x75mm
W56-11-4763	RP1285C	透明蓋防水膠箱	186x146x75mm



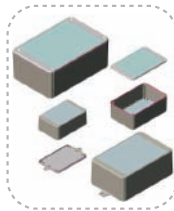
## RS 系列 (IP65 Sealed Enclosures)

Product Code	Model Number	Description	Dimension W x L x H
W56-11-1442	RS1055	膠箱 (附密封膠邊)	105x105x55mm
W56-11-1643	RS3055	膠箱 (附密封膠邊)	165x105x78mm
W56-11-2085	RS5805	*拱頂*防水特大膠箱	250x200x130mm



## RL 系列 膠箱

Product Code	Model Number	Description	Dimension W x L x H
W56-11-6015	RL6015	*萬用平面機盒*	104x64x40mm
W56-11-6035	RL6035	*萬用平面機盒*	144x64x40mm
W56-11-6065	RL6065	*萬用平面機盒*	205x105x40mm
W56-11-6115	RL6115F	膠箱 (附安裝耳)	80x60x40mm
W56-11-6225	RL6225F	膠箱 (附安裝耳)	125x80x50mm
W56-11-6365	RL6365F	膠箱 (附安裝耳)	125x100x90mm
W56-11-6435	RL6435F	膠箱 (附安裝耳)	150x100x60mm
W56-11-6465	RL6465F	膠箱 (附安裝耳)	150x100x90mm
W56-11-6585	RL6585F	膠箱 (附安裝耳)	175x125x100mm
W56-11-6655	RL6655F	膠箱 (附安裝耳)	200x150x70mm
W56-11-6685	RL6685F	膠箱 (附安裝耳)	200x150x100mm
W56-11-7365	RL6365	膠箱 (無耳)	125x100x90mm
W56-11-7465	RL6465	膠箱 (無耳)	150x100x90mm



## RM 系列 膠箱

Product Code	Model Number	Description	Dimension W x L x H
W56-11-1544	RM2015S	膠箱 11S	130x100x30mm
W56-11-1542	RM2011M	膠箱 11M	130x100x50mm
W56-11-1543	RM2015L	膠箱 11L	190x100x70mm
W56-11-1861	RM2055S	膠箱 51S	190x140x30mm
W56-11-1862	RM2051M	膠箱 51M	190x140x50mm
W56-11-1863	RM2055L	膠箱 51L	190x140x70mm
W56-11-1072	RM2095S	膠箱 91S	250x180x50mm
W56-11-1073	RM2095M	膠箱 91M	250x180x75mm
W56-11-1074	RM2095L	膠箱 91L	250x180x100mm



## RA 系列 鋁質機箱

Product Code	Model Number	Description	Dimension W x L x H
W56-11-1419	RA-14190	*狗仔*鋁質機箱<with foots stand>	143 x 60 x 190mm
W56-11-1819	RA-18190V	*狗仔*鋁質機箱<with foots stand>	178 x 100 x 190mm
W56-11-2025	RA-20250V	*狗仔*鋁質機箱<with foots stand>	200 x 100 x 250mm



## RH 系列

Product Code	Model Number	Description	Dimension W x L x H
W56-11-3015	RH3015-G	手持型盒 (附電池蓋)	130x68x25mm
W56-11-3115	RH3115R	手持型盒	100x60x25mm
W56-11-3135	RH3135	手持型盒	120x70x25mm
W56-11-3155	RH3155	手持型盒	165x80x32mm
W56-11-3165	RH3165	手持型盒	165x100x32mm
W56-11-3185	RH3185	膠機箱	135x185x40mm
W56-11-3195	RH3195	手持型盒	190x100x40mm
W56-11-3355	RH-3055	手持型盒(附電池蓋)	160x85x30mm



## Case IR Panel (適用於RA,RH,RM系列)

Product Code	Model Number	Description
W56-11-2010	2011S-P-IR	11S Case IR Panel
W56-11-2011	2015M-P-IR	11M Case IR Panel
W56-11-2012	2011L-P-IR	11L Case IR Panel
W56-11-2050	2055S-P-IR	51S Case IR Panel
W56-11-2051	2051M-P-IR	51M Case IR Panel
W56-11-2052	2051L-P-IR	51L Case IR Panel
W56-11-2090	2091S-P-IR	91S Case IR Panel
W56-11-2091	2091M-P-IR	91M Case IR Panel
W56-11-2092	2091L-P-IR	91L Case IR Panel



## 面板 (適用於RA,RH,RM系列)

Product Code	Model Number	Description
W56-11-3010	2011S-P-AL	11S 膠箱鋁面板
W56-11-3011	2011M-P-AL	11M 膠箱鋁面板
W56-11-3012	2011L-P-AL	11L 膠箱鋁面板
W56-11-3050	2051S-P-AL	51S 膠箱鋁面板
W56-11-3051	2051M-P-AL	51M 膠箱鋁面板
W56-11-3052	2051L-P-AL	51L 膠箱鋁面板
W56-11-3090	2091S-P-AL	91S 膠箱鋁面板
W56-11-3091	2091M-P-AL	91M 膠箱鋁面板
W56-11-3092	2091L-P-AL	91L 膠箱鋁面板
W56-11-0315	RH3115	紅外線面板
W56-11-3035	RH3135	專用紅外線面板
W56-11-3055	RH3155	紅外線面板
W56-11-3065	RH3165	專用紅外線面板
W56-11-3085	RH3185	專用紅外線面板
W56-11-3095	RH3195	專用紅外線面板





# 萬應寶

德國製造

## NEW!

### 新一代 多用途打磨切割機

### 更快、更舒適、更多面性

### FMM250Q



## 超強動力

### QUICK IN

### 快速安裝



深度限位裝置



高速鋼  
(HSS)木鋸片



臺式和鑽  
杆固定器



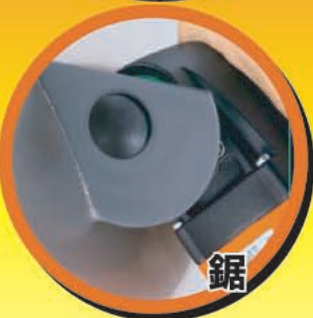
沉頭合金  
扇形鋸片



打磨



拋光



鋸



槽位打磨



刮平



切割



迷你刀及磨具



bi-metal  
“雙金屬”U型鋸片



研磨



改建

FEIN MultiMASTER

- FMM 250
- FMM 250 Q

FEIN. Powered by  
innovation.

## FEIN MultiMASTER 用於改建和整修的通用工具



## 獨樹一幟的專門技術，多姿多彩的性能範圍： 新一代的德國泛音萬應寶多用途打磨切割機功能更多。

德國泛音 (FEIN) 是電動手鑽機發明者，140多年德國泛音 (FEIN) 致力於創新的、無可匹敵的高效實用解決方案，這些方案甚至在工業及手工業領域中，條件最苛刻的持續使用範圍內也經受住了考驗。我們利用多年所積累的、豐富的專門技術不斷地對德國泛音擺動型萬應寶多用途打磨切割機工具進行優化。為了能夠完美地滿足您日常工作中的所有要求，我們不斷採用新的、創新的配件擴展我們的產品範圍。

我們通過擺動技術取得領先：

► 通過擺動過程在運動領域中具有無與倫比的多用性。

► 在打磨和粗銼工作中絕對安靜平穩——就是邊角加工也不例外。



擺動頻率每分鐘可達21,000次

### 完美的處理



FEIN MultiMaster 新的外型、更加符合人體工程學原理的形式使設備的操作處理特別舒適。結構和操作部件完美地適應工作過程，由此能夠保證消耗很小的勞動力就能實現安全可靠、不疲勞的加工和操作。此外，新的、把握手感更好的 SoftGrip 襯墊保證了最佳的切削能力。

### 快速夾緊技術



新的、QuickIN快速更換系統不需要工具就可更換配件——由此可節省許多時間，並且能夠舒適方便地使用不同的配件。

### 技術數據

功率	250 W
擺動	11,000 – 21,000 轉/分鐘
電源線	5 m
砂紙墊，用於角落	80 mm
砂輪片夾頭	QuickIN*

\* 僅配置於 FEIN MultiMaster Select & Top (FEIN MultiMaster 中的實用型和專業型中)



## 不斷地加以優化和擴展： FEIN MultiMaster 配件

### 新穎之處

#### 新型通用 E 型精確木鋸片



這種久經考驗的通用E型精確木鋸片現有44 mm寬的結構形式可供選擇。這種鋸片無論帶或不帶深度限制裝置均可使用。

訂貨號

6 35 02 152 01 0 鋸片

3 26 07 065 01 0 深度限制裝置

W 84-65-5010

#### 高速鋼 (HSS) 木鋸片



可用于完美地切割已經鋪設的鑲木地板、層壓塑膠板或護壁板：這種圓的高速鋼 (HSS) 鋸片使 FEIN MultiMaster 成爲一種擺動型“微型圓鋸”。

訂貨號

6 35 02 154 01 0

W 84-65-4010

#### 迷你切割套裝 (MiniCut) 和銼刀套件



使用迷你切割套裝 (MiniCut) 和銼刀套件用的新型硬金屬銼刀部件可乾淨地銼出溝槽，並可在木材和塑膠的加工中完整地去除毛刺。

訂貨號

6 39 01 025 06 0 套件

W 84-65-5030

#### 臺式和鑽杆固定器



FEIN MultiMaster 固定在桌子和工作臺上一這樣加工件可被精確地引入加工區進行加工處理。適合於所有市場常見的鑽杆。

訂貨號

9 26 02 083 01 0

W 84-65-3011



## 在窗戶的加工處理中更加安全， 在門的加工處理中首屈一指。

FEIN MULTIMASTER 可完美整修窗戶、車庫門以及庭院設施。窗戶可用粗細度為 40 或 60 的粗砂紙打磨。然後，在第二道工序中，可用粗細度為 150 或 180 的打磨砂紙對表面進行打光處理——這樣您可在很短的時間達到絕佳的結果。在加工嚴重風化剝蝕的表面時，硬金屬打磨銼是您的最好選擇——這樣在打磨時，您可以大約 5 倍的工作效率進行工作。使是易碎的粘膠纖維也可非常簡單地、在沒有玻璃破碎危險的情況下除去。結果：在迅間內完全實現窗戶的整修。

### 1. 窗框打磨：



在所有材料狀態下，可用粗細度從 36 到 800 的、範圍廣博的砂紙種類進行完美的打磨。

配件請查閱第 19 頁打磨一欄。

### 2. 空間間隔和輪廓成型磨削：



利用扁薄的磨板即使在窄小的空間間隔，例如在百葉窗的薄片中也應應用自如。

W 84-65-2029

訂貨號  
6 38 06 142 02 9

### 3. 無塵打磨：



用於迅速實現乾淨的效果：利用吸塵器實現無塵工作。

配件請查閱第 20 頁吸塵器一欄。

### 4. 石材窗臺的打磨和拋光：



天然石材窗臺和人造石材窗臺可用特殊打磨工具系列和毛製拋光墊實現最佳加工。

訂貨號  
6 38 06 129 06 7

### 5. 通過打磨消除風化剝蝕的痕跡：



利用硬金屬打磨銼可以徹底除去頑固的風化剝蝕痕跡——通過更高的磨除功率使除去風化剝蝕痕跡的工作特別迅捷。

W 84-65-1014

訂貨號  
6 37 31 001 01 4

### 6. 輪廓成型的打磨：



帶有輪廓成型打磨套件的 FEIN MULTIMASTER 是打磨車庫門、槽、房屋的彈簧板以及其他圓形和凸形的輪廓成型的理想選擇。

W 84-65-3013

訂貨號  
6 38 06 183 01 3

### 7. 能在所有角落內進行加工處理：



利用高速鋼(HSS)扇形鏟片即使是很舊、很老的窗子您也可對其進行完美的整修——您甚至可毫不費力地對各角落進行加工處理——利用這一工具可省去費時的加工工序。

訂貨號  
6 35 02 106 01 5

### 8. 玻璃拋光以及除去粘膠纖維



使用高速鋼(HSS)扇形鏟片可非常簡單地、在沒有玻璃破碎危險的情況下除去易碎的粘膠纖維。

訂貨號  
6 35 02 106 01 5

### 快捷作業：德國泛音公司的“DUSTEX II”吸塵器

在打磨工作中會形成許多塵埃，這些塵埃會在附近平面、在槽中和角落處形成一層薄膜，要重新除去這一膜層又需要耗費大量的時間。德國泛音公司的“DUSTEX II”根本不產生塵埃，由此將清潔工作的時間減少到最小程度。一個整合在內的開關自動化裝置能夠通過 FEIN MULTIMASTER 舒適便捷地控制吸塵器。有關德國泛音公司 DUSTEX II 吸塵器套件的詳細資訊請參見第 20 頁和第 21 頁。

訂貨號  
9 20 20

W 84-80-3011



## 能夠運用於所有室內裝修工序。

室內裝修必不可少：無論是天花板改建、室內房間分割還是希望將立體音響設備的電線嵌入牆內—FEIN MULTIMASTER 是維修和安裝工作的理想工具。就是在很小很窄的空間中，FEIN MULTIMASTER 也能精確地在拐角和角落中進行鋸割，並以更高的磨除效率進行打磨，由此可快速、省力地進行工作。



### 1. 切割電線槽：



塑膠建築部件，如電線槽、排氣管道或雨水收集管道可用標準E型精確鋸片理想地進行加工處理。

訂貨號

6 35 02 133 01 7

有關E型精確切割刀具、標準型、通用型以及精確型產品請查閱第18頁鋸片一欄。

### 2. 建築木材的鋸割：



利用通用E型精確木鋸片切割深度最大可達60 mm。

訂貨號

6 35 02 151 01 8

### 3. 建築木材的開槽：



利用深度限制裝置，所有用E型精確木鋸片和高速鋼(HSS)扇形木鋸片加工的木材切割深度都可無級設置和調節。

W 84-65-5010

訂貨號

3 26 07 065 01 0

### 4. 石膏板的切割和匹配：



利用E型精確木鋸片，石膏板的切割變得遊戲般簡單，並可配置已帶有用於電氣安裝等開口的安裝板。

訂貨號

6 35 02 133 01 7

### 5. 管壁齊平的鋸割：



理想地用於拆卸不再需要的安裝設施：利用通用E型精確鋸片可在以後抹平牆壁時，將管材切割得與牆壁齊平。

訂貨號

6 35 02 151 01 8

### 6. 磨除灰漿：



硬金屬打磨銼的使用，在磨除灰漿、水泥、混凝土以及瓷磚鋪設粘膠時，可省卻煩人耗時的手工勞動。

W 84-65-1014

訂貨號

6 37 31 001 01 4

### 7. 暗接縫的鋸割：



利用高速鋼(HSS)木鋸片，FEIN MULTIMASTER 可成爲一台“微型圓鋸機”一是例如鑲木地板和層壓塑膠板伸縮縫等縱向精確切割的理想選擇。無論有無深度限位裝置均可工作。

W 84-65-4010

訂貨號

6 35 02 154 01 0



## 總是保持精確—就算是狹窄的空間亦不例外。

傢俱的專業化安裝和修補：FEIN MultiMASTER 是您用於組合廚房和組合傢俱的理想工具。您可借助這工具毫無困難地精確實現一般在極為狹窄的空間中難以實現的工作步驟，如在已安裝部件上用鋸子開槽等。就是在傢俱維修中，迄今為止耗時費力的手工作業，如輪廓打磨等，都可憑藉FEIN MultiMASTER 迅捷、高效地加以解決。



### 1. 電線和管道入口的開槽：



利用E型精確鋸片您可在櫃壁和架壁上方便地建立電線入口、插座以及水管連接位置—這一工作的實施不需要進行耗時費力的櫃子或架子拆卸工作。

訂貨號  
6 35 02 151 01 8

### 2. 工作臺板的調整和匹配：



利用E型精確鋸片，就是在已經安裝好的板材上，在補充安裝和改建工作中也可毫無問題地進行開槽。

訂貨號  
6 35 02 127 01 7

### 3. 沙發傢俱的維修和翻新：



沉頭高速鋼(HSS)鋸片既能省力，又能保護沙發—因為固定夾可方便地除去，不必採用鉗子拔除。

訂貨號  
6 35 02 144 01 4

### 4. 輪廓成型的打磨：



使用可更換使用的專業打磨套件，就是在狹窄的場合、在槽和輪廓處也能舒適地、以明顯提高的磨除效率進行打磨。

W 84-65-3013

訂貨號  
6 38 06 183 01 3

### 5. 臺式和鑽杆固定器



適用於所有常用鑽杆的組合式固定器能精確地開槽和切割。通過鑽杆的機械原理，可精確地進行工作。

W 84-65-3011

訂貨號  
9 26 02 083 01 0

## 地面鋪設

## 最短時間完成大量的地面鋪設

完美地用於地面鋪設：FEIN MultiMASTER 能夠勝任地面鋪設範圍內的所有工作步驟—從毫不費力地除去舊老地面鋪設，如地毯或PVC；準確地切割鑲木地板、層壓塑膠板、地腳線、門框底板直到在難以加工處理的角落和邊沿實施鑲木地板的精確磨削。通過其專為單一應用開發的配件以及舒適的操作性能，FEIN MultiMASTER 的使用能使您在所有工作過程中節省許多時間和勞力。



### 1. 地面鋪設的切割：



利用凸形刀片就是質地密集型材料，如塑膠或地毯等您也可以簡單方便、毫無困難地進行切割。

W 84-65-2014

訂貨號  
6 39 03 192 01 4

### 2. 地面鋪設/粘膠殘餘的去除：



硬質刮鏟：地毯粘膠、塗層或其他難以去除的材料就會被一掃而光。

W 84-65-8017

訂貨號  
6 39 03 178 01 7

### 3. 門框底板的精確匹配：



E型精確鋸片以最高的精度和切割速度使門框底板與較高地板鋪設的匹配以及鑲木地板和層壓塑膠板的開槽令人信服。

訂貨號  
6 35 02 127 01 7

### 4. 鑲木地板和層壓塑膠板的切割：



無論是鑲木地板、層壓塑膠板還是連接材料—通用E型精確鋸片都可精確地、符合材料特性地進行切割。

訂貨號  
6 35 02 151 01 8

### 5. 鑲木地板的打磨：



帶有打磨裝置的FEIN MultiMASTER通過很高的磨除效率以及均勻的打磨效果可使用在其他工具根本無從著手的場合，並令人信服。

配件請查閱第19頁打磨一欄。

### 6. 地腳線的切割



憑藉FEIN MultiMASTER可在不損傷牆壁和地面的情況下對已安裝的地腳線進行切割—由此省去了耗時費力的改進工序。

訂貨號  
6 36 02 151 01 8

## 在廚房浴室領域內快速實現乾淨俐落的工作效果。

廚房浴室整修迅捷、經濟：使用 FEIN MULTIMASTER 您可在不損壞周圍瓷磚的基礎上，有針對性地更換損壞的各單一瓷磚。利用金鋼石鋸片或沉頭合金扇形鋸片，FEIN MULTIMASTER 可極為精確地切割瓷磚縫隙灰泥，切割時產生的塵埃極少。最後，可用硬金屬打磨銼或刮鏟刀舒適地除去老的瓷磚粘膠。



### 1. 去除瓷磚縫隙灰泥：



扇形鋸片可用於去除邊角處的受損瓷磚縫隙灰泥，它的運用能在不影響周圍瓷磚的情況下實現精確切割。扇形鋸片有硬金屬和金鋼石質量的產品可供選擇—金鋼石質量的鋸片由於具有更長的耐用壽命而令人信服，它也適用於室外應用領域中防霜凍、含有環氧樹脂的縫隙灰泥材料或者用於瓷磚縫隙灰泥的更換。

訂貨號

6 35 02 118 01 6 沉頭合金扇形鋸片

W 84-65-8016

6 35 02 114 01 7 沉頭金鋼石扇形鋸片（適用於整個廚房浴室範圍）

W 84-65-9011

### 2. 基底部分的平整打磨：



硬金屬打磨銼是鋪設瓷磚時的萬用配件：它可用於平滑瓷磚粘膠、打磨瓷磚邊沿以及保證提供一個平整的基底。

W 84-65-1014

訂貨號

6 37 31 001 01 4

### 3. 除去彈性密封材料：



在廚房浴室範圍內完美地除去彈性材料，如：密封材料、粘膠殘餘或顏料塗飾：這就是軟性刮鏟的最佳使用地方。

W 84-65-5013

訂貨號

6 39 03 165 01 3

### 4. 完全去除瓷磚縫隙灰泥：



如果必須完全去除瓷磚縫隙灰泥並加以更新，圓形金鋼石鋸片無論從工作進展還是耐用壽命來說，都是一種最經濟的解決方案。

W 84-65-5012

訂貨號

6 35 02 105 01 2

### 首屈一指：用於廚房和浴室的配置

您想在廚房中更換受損的瓷磚或在浴室中重新鋪設瓷磚？FEIN MULTIMASTER 頂級套件在購買時就已包含有助您實現完美效果的全部配件：例如用於簡單除去瓷磚接縫灰泥的沉頭合金扇形鋸片、用於順利除去瓷磚粘膠的硬金屬打磨銼或者用於無塵工作的配件。

有關德國泛音公司頂級套件的詳細資訊請參見第21頁。

訂貨號

7 229 37 51





## 1. 車身部件的分割：



採用高速鋼(HSS)扇形鋸片能夠在無毛刺、無扭曲的條件下對厚度最高為1 mm的金屬板材和塑膠板材進行切割，不需要後道補充工序。就是在拐角區域也可通用。

訂貨號  
6 35 02 106 01 5

## 3. 去除底部保護：



使用硬質刮鏟能夠在最短時間內除去底部保護層以及其他難以去除的塗敷層。

W 84-65-8017

訂貨號  
6 39 03 178 01 7

## 5. 進行補充安裝：



利用迷你切割套裝(MiniCut)和銼刀套件就是加工處理10 mm以上很小的位置也不是問題，該工具在難以進入的場合也可應用自如。德國泛音公司還提供用於塑膠、金屬以及木材的相應套件。

W 84-65-5030

訂貨號  
6 39 01 025 06 0 套件

## 7. 鋁輪輞的翻新：



使用德國泛音公司生產的、特別柔軟的打磨材料進行柔和、徹底的工作。由此，可對鋁車輛進行高效處理，也可實現敏感塗漆上的加工處理。

配件請查閱第19頁打磨一欄。

## 有關車輛的各維修領域

# 將您的修配車間帶入車輛中。

一流的車輛修理：FEIN MultiMaster 是定期車輛修理或整修領域中所有工序的理想選擇：它的使用範圍豐富多彩—從車身的分離、塗漆直到拋光。它使工作極為精確，由於具有很高的磨除效率，工作時特別省力—尤其在難以進入的場合，這一工具更顯示出很大的優點。與工作條件和材料完美匹配的配件使 FEIN MultiMaster 成為車輛生產和修理領域中的理想工具。

## 2. 車身的剪切修理：



圓形高速鋼(HSS)鋸片特別適用於事故受損車輛的剪切修理。通過主軸上的多重旋轉，能夠明顯提高產品的耐用壽命。

W 84-65-7027

訂貨號  
6 35 02 097 02 7

## 4. 磨除塗漆及翻新：



通常情況下塗漆錯誤、錯誤位置和範圍等需要手工打磨的場合正是FEIN MultiMaster 大顯身手的地方：該產品保證具有很高的磨除功率以及均勻的打磨效果。

配件請查閱第19頁打磨一欄。

## 6. 高光潔度的拋光：



毛氈拋光墊套件能使塗漆和鍋面重新恢復高光潔度—它也同樣能使木材和石材表面形成高光潔度。

W 84-65-0027

訂貨號  
6 38 06 140 02 7 套件

## 8. 狹窄位置上的打磨：



採用打磨指可對狹窄部分或較深的部分進行理想的加工處理。

配件請查閱第19/20頁打磨一欄。

## 您務必帶著此工具上船。

海上不可缺少的工具：使用FEIN MULTIMASTER，您能明顯提高在船舶製造和修理中的效率。FEIN MULTIMASTER 具有較高的切割效率，因此能夠完美地用於木材、GFK材料（玻璃纖維增強塑膠）、CFK材料（碳纖維合成材料）以及幾乎所有其他相關材料的切割—由此可省卻手工作業以及中間的臨時方案。同樣，在狹窄場合的補充安裝以及柚木鋪層的維修也不是問題。



### 1. 打磨：



船舶維修和護理的理想選擇：FEIN MULTIMASTER不需要耗費大量人力就可可在所有角落和邊沿上進行乾淨、精確的打磨。

配件請查閱第19頁打磨一欄。

### 2. 甲板的翻新和維修：



使用切割勾刀您可快速、徹底地切割甲板接縫填充料。由此可節約80%的時間，該工具的使用在柚木鋪層的維修中可節約更多的時間。

配件請查閱第20頁切割一欄。

### 3. 進行補充安裝：



無論是在狹窄空間的工作、在難以進入的場合還是在切割較小槽（10 mm以上）的操作場合，迷你切割（MiniCut）鋸片的大小都恰到好處。

**W 84-65-5030**

訂貨號  
6 39 01 025 06 0 套件

### 4. 銼槽：



使用迷你切割套裝(MiniCut)和銼刀套件可將開槽精確地銼成型。

訂貨號  
6 39 01 025 06 0 套件

### 5. 船體 / 板面的維修：



高速鋼(HSS)鋸片特別適用於GFK材料(玻璃纖維增強塑膠)或CFK材料(碳纖維合成材料)船體的鋸割工作。層壓塑膠板不會在加工中產生裂縫、受到損傷，切割效果完美(0.5 mm寬)定會使您稱心如意，倍感欣喜。

**W 84-65-7027**

訂貨號  
6 35 02 097 02 7

## 業餘愛好

## 家中最後的打磨。

業餘愛好、房屋和庭院護理的首選工具：無論是工具磨礪、石材以及石製品的加工、基礎設置還是細緻入微的模型製作—FEIN MULTIMASTER 高效、精確，始終會為您展示意想不到的效果。範圍廣博的工具配件能夠為您提供出乎意料的使用可能性。這部工具所用之處都會以其較高的切割和打磨效率、靈活的操作處理特性以及許多精緻的感覺令您信服。

### 1. 模型製作中的裁切：



在微小空間中完成微小的裁切—這就需要迷你切割套裝(MiniCut)和銼刀套件。

**W 84-65-5030**

訂貨號  
6 39 01 025 06 0 套件

### 2. 模型製作中的銼制：



使用迷你切割套裝(MiniCut)和銼刀套件您可精確地銼出開槽。

**W 84-65-5030**

訂貨號  
6 39 01 025 06 0 套件

### 3. 臺式和鑽杆固定器：



您可採用新型臺式和鑽杆固定器固定FEIN MULTIMASTER，由此實現加工件的精確加工。

**W 84-65-3011**

訂貨號  
9 26 02 083 01 0

### 4. 磨礪刀片和切割工具：



使用迷你切割套裝(MiniCut)和銼刀套件您可磨礪工具和庭院器具—大部分情況下不需要拆卸刀片。

**W 84-65-5030**

訂貨號  
6 39 01 025 06 0 套件





# FEIN MultiMaster 配件簡介

無論是在改建整修、船舶製造還是機動車輛的維修，FEIN MultiMaster 在完全不同的使用領域中都能產生最佳的工作效果，由此獨樹一幟，深受客戶青睞。為了使FEIN MultiMaster 確實能夠完美地勝任各項工作，德國泛音公司專門為各種不同的應用和材料開發出豐富多彩、範圍廣博的配件產品。

**E型精確切割刀具  
經濟型套件。  
付2套的錢可購得3套。**

## 鋸片

W 84-65-6023 / 7027

高速鋼(HSS)鋸片，圓形  
用於塑膠、GFK材料  
(玻璃纖維增強塑膠)、  
木材、粘膠、有色金屬以  
及板材，厚度可達大約  
1 mm。

直徑	每包件數	訂貨號
63 mm	1	6 35 02 096 02 3
63 mm	2	6 35 02 096 01 7
80 mm	1	6 35 02 097 02 7
80 mm	2	6 35 02 097 01 1



高速鋼(HSS)扇形鋸片

用於塑膠、GFK材料  
(玻璃纖維增強塑膠)、  
木材、粘膠、有色金屬以  
及板材，厚度可達大約1 mm。拐角處  
工作的理想選擇。

直徑	訂貨號
80 mm	6 35 02 106 01 5



沉頭高速鋼(HSS)鋸片，  
圓形，沉頭

用於塑膠、GFK材料  
(玻璃纖維增強塑膠)、  
木材、粘膠、有色金屬以  
及板材，厚度可達大約1 mm，可用於  
表面平整。

直徑	訂貨號
90 mm	6 35 02 144 01 4



切蠟

加工板材用潤滑劑。

訂貨號
3 21 32 020 12 9

扇形鋸片，埋頭  
用於加工軟性材料。  
拐角處工作的理想選擇，  
可用於表面平整。



直徑	訂貨號
84 mm	6 35 02 113 01 9

標準E型精確切割鋸片，  
窄型 (35 mm)  
可鋸割厚達50 mm的木材、石膏  
板以及軟塑膠。在任何位置都可  
簡單插入材料進行鋸割。



寬度	每包件數	訂貨號
35 mm	1	6 35 02 133 01 7
35 mm	3	6 35 02 133 03 0

標準E型精確切割鋸片，  
寬型 (65 mm)  
可鋸割厚達50 mm的木材、  
石膏板以及軟塑膠。在任何  
位置都可簡單地插入材料進  
行鋸割。



寬度	每包件數	訂貨號
65 mm	1	6 35 02 134 01 5
65 mm	3	6 35 02 134 02 5

精密E型精確切割鋸片，  
窄型 (35 mm)  
通過雙排日本嘴合實現最高  
切割速度和精度。可鋸割  
厚達50 mm的木材、石膏板以  
及軟塑膠。



寬度	每包件數	訂貨號
35 mm	1	6 35 02 126 01 3
35 mm	3	6 35 02 126 03 0

精密E型精確切割鋸片，  
寬型 (65 mm)  
通過雙排日本嘴合實現最高  
切割速度和精度。  
可鋸割厚達50 mm的木材、  
石膏板以及軟塑膠。



寬度	每包件數	訂貨號
65 mm	1	6 35 02 127 01 7
65 mm	3	6 35 02 127 02 0

通用E型精確鋸片，  
長 (60 mm)  
通過雙金屬嘴合使產品具有  
廣泛的應用範圍。  
可切割厚達50 mm的木材、  
塑膠、厚達2 mm的板材、銅管、  
鋁管以及型材。



寬度	每包件數	訂貨號
29 mm	1	6 35 02 151 01 8
29 mm	3	6 35 02 151 02 0

通用E型精確鋸片152，  
長 (60 mm)  
通過雙金屬嘴合使產品具有  
廣泛的應用範圍。  
可鋸割厚達50 mm的木材、  
塑膠、厚達2 mm的板材、銅管、  
鋁管以及型材。



寬度	每包件數	訂貨號
44 mm	1	6 35 02 152 01 0
44 mm	3	6 35 02 152 02 0

W 84-65-4010

高速鋼(HSS)木鋸片  
圓形高速鋼(HSS)木鋸片  
——這“微型圓鋸”是對於縱  
向直切割的理想選擇，可用  
於在已經鋪設的鑲木地板、  
層壓塑膠板以及護壁鑲板上開槽。



直徑	每包件數	訂貨號
100 mm	1	6 35 02 154 01 0
帶深度限位 元裝置的套件		26 07 065 02 0

W 84-65-5030

迷你切割套裝  
(MiniCut) 和銼刀套件  
用於10 mm以上的切  
割。2片用於木材和軟  
塑膠鋸割，2片用於硬  
塑膠、GFK材料(玻璃纖維增強塑膠)  
以及厚達1 mm的板材鋸割的硬金屬鋸  
片、1把金鋼石銼刀。



訂貨號
6 39 01 025 06 0

W 84-65-2013 / 1010

迷你切割鋸片 (MiniCut)

用於木材及其它軟性材料，  
插入深度30 mm，2件裝。



寬度	訂貨號
10 mm	6 35 02 132 01 3
20 mm	6 35 02 131 01 0

W 84-65-0011 / 9019

迷你切割 (MiniCut)

高速鋼 (HSS) 鋸片  
適用於有色金屬及塑膠，  
插入深度20 mm，2件裝。



寬度	每包件數	訂貨號
10 mm	2	6 35 02 130 01 1
20 mm	2	6 35 02 129 01 9

W 84-65-2024

金鋼石銼刀組件

用於磨礪刀片及切割器具。



粒度	寬度	訂貨號
特別細	10 mm	6 37 06 014 02 6
細	20 mm	6 37 06 013 02 8
普通	20 mm	6 37 06 012 02 4

## 普通配件

工具集成箱，滿裝

塑膠箱，帶有所選擇組合套件的高級配置。1套砂紙  
墊，帶吸塵孔；各帶5套砂紙，帶吸塵孔，粗細度為  
60、80、120、180；1套吸塵組件，2套吸管接頭，用於  
直徑為27/32 mm的吸管，2套適配器、用於連接家用吸  
塵器；1套輪廓成型打磨套件；1套硬金屬打磨銼。

訂貨號
3 39 01 118 17 0



工具集成箱，未填裝

塑膠箱，帶有實用的內部格局劃分，不含機器  
和配件。是理想的起始型和精選型萬應寶保管  
器具。

訂貨號
3 39 01 118 03 0



## 鋸片

### 硬金屬銼刀套件

用於開槽和去刺工作。適用於迷你切割套裝 (MINICUT) 和銼刀套件。



訂貨號  
6 37 06 015 01 0

### W 84-65-5010

### 深度限位裝置

適用於所有E型精確切割鋸片以及硬金屬木鋸片。僅適用於新型 FEIN MultiMaster 的 FMM 250/250 Q 型產品。



訂貨號  
3 26 07 065 01 0

## 打磨銼

### W 84-65-1014

### 硬金屬打磨銼，三角形

用於打磨鑄刮填料、瓷磚粘膠、混凝土、石材和木材。無論帶或不帶吸塵機的場合都可使用。



訂貨號  
6 37 31 001 01 4

### W 84-65-2017

### 硬金屬打磨銼，指形

用於打磨鑄刮填料、瓷磚粘膠、混凝土、石材和木材。這一雙面塗層的指形工具特別適用於藝術加工和處理。



訂貨號  
6 37 31 002 01 7

## 去除填縫泥灰

### W 84-65-8016

### 沉頭合金扇形鋸片

用於分離受損瓷磚的填縫泥灰以及用於銼切灰漿、充氣混凝土以及類似建築材料的縫隙。



直徑  
63 mm

訂貨號  
6 35 02 118 01 6

### W 84-65-5012

### 金鋼石鋸片

用於切割大理石和水泥縫隙。產生的塵埃很少，使用壽命很長。



直徑  
63 mm

訂貨號  
6 35 02 105 01 2

### W 84-65-9011

### 沉頭金鋼石扇形鋸片

用於分離受損瓷磚的填縫泥灰以及用於銼切灰漿、充氣混凝土以及類似建築材料的縫隙。使用壽命長。



訂貨號  
6 35 02 114 01 7

### W 84-64-7010

### 清潔塊

菱形，用於清潔硬金屬及金鋼石工具。



訂貨號  
6 37 19 007 01 0

## 刮鏟

### W 84-65-8017

### 硬質刮鏟

用於去除頑固難除的舊漆、粘膠殘餘、地毯、瓷磚粘膠以及基底上的塗層。



訂貨號  
6 39 03 178 01 7

### W 84-65-5013

### 軟性刮鏟

用於去除衛浴範圍內的砂膠或丙烯酸填縫材料以及粘貼圖標。



訂貨號  
6 39 03 165 01 3

## 打磨

### W 84-65-9026

### 砂紙墊套件，無吸塵孔

用於不帶吸塵器的打磨，2件裝。



訂貨號  
6 38 06 129 02 6

### 塑底砂紙墊套件

帶塑膠運板，避免劃傷，2件裝。



訂貨號  
6 38 06 153 02 2

## 打磨

### W 84-65-2029

### 薄片型砂紙墊套件

適用於開口極細的地方 (比如櫥櫃以及百葉窗上的葉片等位置)，2件裝



訂貨號  
6 38 06 142 02 9

### W 84-65-2033

### 砂紙套件

通用於幾乎所有表面。金鋼砂磨料和全人造樹脂粘結材料保證具有很好的打磨效率。各帶10套砂紙，無吸塵孔，帶快速自貼功能，粗細度為60、80、120、180、240。



訂貨號  
6 37 17 082 03 3

### W 84-65-1026

### 砂紙墊，特柔

用於特殊使用場合，如鋁車輛和油漆修理。只能使用“特柔砂紙墊”，2件裝。



訂貨號  
6 38 06 141 02 6

### W 84-65-3013

### 輪廓成型打磨套件

由一個固定架和6個不同的輪廓成型打磨工具組成。1套V型輪廓成型打磨工具用於90度角的加工、1套梯形輪廓成型打磨工具用於槽和彈簧連接的加工、一套用於直線型輪廓成型打磨的工具、1套凹型輪廓成型打磨工具(大)，各帶一套凹型、一套凸型輪廓成型打磨工具(小)以及各帶5套粗細度分別為80、120以及180的砂紙墊。成型打磨工具。



訂貨號  
6 38 06 183 01 3

### 用於輪廓成型打磨套件的砂紙

適用於如木材、金屬、油漆以及塑膠等所有加工材料，2件裝。



粗細度	訂貨號
80	6 37 17 217 01 6
120	6 37 17 218 01 4
180	6 37 17 219 01 8

### 石材打磨套件

通用於石材及石材製品的加工。配有：5套 粗細度為40、80、120、220、320、400、600、800的砂紙墊；1套砂紙墊，帶鋁和塑膠運板；1套毛氈拋光墊。

訂貨號  
6 38 06 129 06 7

### 砂紙

無吸塵孔，帶快速自貼功能。通用於幾乎所有表面。

粗細度	5 件裝 訂貨號	50 件裝 訂貨號
36	6 37 17 ... ... 086 04 8	6 37 17 ... ... 086 01 0
40	... 081 04 6	... 081 01 8
60	... 082 04 9	... 082 01 1
80	... 083 04 3	... 083 01 5
100	... 084 04 1	... 084 01 3
120	... 085 04 5	... 085 01 7
150	... 087 04 2	... 087 01 4
180	... 088 04 0	... 088 01 2
220	... 089 04 4	... 089 01 6
240	... 090 04 6	... 090 01 8
280	... 091 04 5	... 091 01 7



### 砂紙墊，特柔

用於特殊應用領域。

粗細度	每包件數	訂貨號
240	50	6 37 17 126 01 5
320	50	6 37 17 127 01 9
400	50	6 37 17 128 01 7
500	50	6 37 17 179 01 6





## ▶ 打磨

### 石料打磨砂紙

專用於天然和人造石材的加工。  
從粗磨到精磨共分8級。

粗細度	每包件數	W 84-65-0014	訂貨號
40	50		6 37 17 120 01 4
80	50		6 37 17 121 01 3
120	50		6 37 17 122 01 6
220	50		6 37 17 123 01 0
320	50		6 37 17 124 01 8
400	50		6 37 17 125 01 2
600	50		6 37 17 175 01 7
800	50		6 37 17 176 01 0



### 手指型砂紙墊

用於空間狹小以及很深的作業地點：例如卷邊、凹槽、開口和折邊等處。也適用於模具製造、拱頂及空心的作業場所等，2件裝。

高度	W 84-65-9023	訂貨號
7 mm		6 38 06 159 02 3
1 mm	W 84-65-7021	6 38 06 157 02 1



### W 84-65-8029

### 手指型砂紙墊

此外，上下兩邊帶有自貼件，2件裝。

高度	訂貨號
2 mm	6 38 06 158 02 9



### 砂紙，用於手指形砂紙墊

帶快速自貼功能，全人造樹脂粘結，金鋼砂磨料，打磨效果好。應用範圍：木材、金屬、焊接處、GFK(玻璃纖維加強塑膠)、塑膠、油漆、填料、皮革等，20件裝。

粗細度	W 84-65-4012	訂貨號
40		6 37 17 184 01 2
60		6 37 17 185 01 6
80	W 84-65-6019	6 37 17 186 01 9
100		6 37 17 187 01 3
120	W 84-65-8011	6 37 17 188 01 1
150	W 84-65-9015	6 37 17 189 01 5
180		6 37 17 190 01 7
220		6 37 17 191 01 6
240	W 84-65-2019	6 37 17 192 01 9
280		6 37 17 193 01 3
320		6 37 17 194 01 1
400	W 84-65-5019	6 37 17 195 01 5



### 匹配軟管

用於將吸塵裝置與家用吸塵器相連接  
吸管連接直徑27 mm。

結構	訂貨號
薄型	3 06 05 110 00 8
厚型	3 06 05 109 00 6

### 帶吸塵孔的砂紙墊

用於帶吸塵功能的打磨。  
適用於幾乎所有表面。  
金鋼砂磨料和全人造樹脂  
粘結材料保證具有很好的打磨效率。  
粗細度從36到280。



粗細度	5件裝 訂貨號	50件裝 訂貨號	粗細度	5件裝 訂貨號	50件裝 訂貨號
36	6 37 17 ...	6 37 17 ...	150	6 37 17 ...	6 37 17 ...
40	... 107 04 9	... 107 01 1	180	... 113 04 9	... 113 01 1
60	... 108 04 7	... 108 01 9	220	... 114 04 7	... 114 01 9
80	... 109 04 1	... 109 01 3	240	... 115 04 1	... 115 01 3
100	... 110 04 3	... 110 01 5	280	... 116 04 4	... 116 01 6
120	... 111 04 2	... 111 01 4		... 117 04 8	... 117 01 0
	... 112 04 5	... 112 01 7			



### 帶吸塵孔，砂紙墊套件

用於帶吸塵器的打磨，  
2件裝。

訂貨號	每包件數
6 38 06 136 02 9	2

## ▶ 切割

### 切刀

可快速安全地切割甲板縫隙填料。也可用來加工船艙、纜繩柱、船舷、墊架、彎角等細小問題處。



刀寬	W 84-65-0017	訂貨號
3 mm		6 39 03 200 01 7
4 mm	W 84-65-0016	6 39 03 201 01 6
5 mm	W 84-65-0019	6 39 03 202 01 9

## ▶ 拋光

### W 84-65-0027

### 拋光墊套件

用於金屬拋光以及石材和石製品的拋光以及各種特效拋光。同樣也可加工船體上帶乙烯基酯和凝膠塗料(GELCOAT)塗層的部件。2件裝。



訂貨號
6 38 06 140 02 7

## ▶ 切割

### 切刀，凹狀

用於切割軟性材料，比如毛氈、皮革、泡沫塑膠等。



訂貨號
6 39 03 193 01 8

### W 84-65-2014

### 切刀，凸狀

用於切割質地密集型材料，比如塑膠地板、油氈、橡膠、紙板、皮革、金屬網、編織物、地毯墊等。



訂貨號
6 39 03 192 01 4

## ▶ 吸塵器

### W 84-80-3011

### FEIN "DUSTEX II" 吸塵器

用於無塵工作的補充裝置。該設備在裝置側帶有插座，此外還有自動開關、能夠不受限制自由活動的5個導向滑輪、大量的基本配置，不論幹濕皆可作業的使用可能性。

訂貨號
9 20 20

### 供貨範圍：

- 1套 5 m軟管，直徑36 mm；
- 1套 底部吸嘴；2套 延長管道；
- 1套 接縫嘴；
- 1套 沙發吸嘴；
- 1套 用於德國泛音公司電動工具的適配器；
- 1套 通用電動工具適配器；
- 1套 過濾器袋。



### 技術資料：

額定消耗	1,300 W
空氣量	3,300 升/每分鐘
最大負壓	230 mbar
容器容積	24 升
最大連接功率	2,000 W
重量	7 公斤
帶插頭電線長	6 米

### 吸塵組件

2套砂紙墊，有吸塵孔；各帶5套砂紙，有吸塵孔，粗細度為60、80、120；1套捕塵罩，帶吸管；2套吸管接頭，用於直徑為27和32 mm的吸管連接裝置；2套適配器，用於連接家用吸塵器。適用於FEIN MULTIMASTER的FMM 250/250 Q型產品。

訂貨號
9 26 02 081 01 0

## ▶ 普通配件

### W 84-65-3011

### 臺式和鑽杆固定器

完美地用於精密切割：FEIN MULTIMASTER可固定在桌子和工作臺上，這樣加工件可被精確地引入加工區進行加工處理。也可夾持市場常見的、夾柄直徑為43 mm的鑽杆。在此，通過機械操作，FEIN MULTIMASTER可以毫釐不差的精度進行工作。僅適用於FEIN MULTIMASTER FMM 250/250Q。



訂貨號
9 26 02 083 01 0

## ▶ 吸塵器

### FEIN "DUSTEX II" 吸塵器

### 5件裝

訂貨號	每包件數
3 13 22 781 01 7	5

## 對各種應用都是正確的選擇： FEIN MULTIMASTER 套件

### 1. FEIN MULTIMASTER START 基本型



針對儘管有價格意識，但不願在專業性方面有所欠缺的專業新手。

- ▶ 1 套 FEIN MULTIMASTER FMM 250 型產品
- ▶ 1 套砂紙墊
- ▶ 各有 5 套砂紙（粗細度 60、80、120、180），不帶吸塵孔
- ▶ 1 套通用 E 型精確鋸片
- ▶ 1 套硬質刮鏟
- ▶ 1 套扳手和夾緊螺栓

W 84-65-0250

訂貨號

7 229 36

### 2. FEIN MULTIMASTER SELECT 實用型



針對所有對工作器具具有高要求、並希望充分在改建和維修工作中充分利用設備優勢的用戶。

- ▶ 1 套 FEIN MULTIMASTER FMM 250 Q 型產品，帶有 QuickIN 快速夾緊系統

包括 FEIN MULTIMASTER START 的完整配置以及：

- ▶ 1 套沉頭合金扇形鋸片
- ▶ 1 套高速鋼 (HSS) 扇形鋸片

W 84-65-0251 220V

W 84-65-1251 110V

訂貨號

7 229 37 50

### 3. FEIN MULTIMASTER TOP 專業型



全面無憂組合，利用這一套件確實能夠專業化完成改建、維修以及業餘愛好範圍內的全面應用—從地面直到窗戶的加工。

- ▶ 1 套 FEIN MULTIMASTER FMM 250 Q 型產品，帶有 QuickIN 快速夾緊系統，所有一切包裝在一個堅固的塑膠工具箱中

包括 FEIN MULTIMASTER SELECT 的完整配置以及：

- ▶ 1 套砂紙墊（有吸塵孔）
- ▶ 各有 5 套砂紙，粗細度為 60、80、120、180，帶吸塵孔
- ▶ 1 套吸塵裝置
- ▶ 1 套硬金屬打磨銼，帶吸塵孔
- ▶ 1 套輪廓成型打磨套件

W 84-65-0252

訂貨號

7 229 37 51

### 4. FEIN MULTIMASTER TOP EXTRA 專業吸塵型



怎樣才能比頂級型號更好？請用將清潔的工作崗位一起提供給用戶的 FEIN DUSTEX II 吸塵器。

- ▶ 1 套 FEIN MULTIMASTER FMM 250 Q 帶有 QuickIN 快速夾緊系統，所有一切包裝在一個堅固的塑膠工具箱中

包括 FEIN MULTIMASTER TOP 的完整配置以及：

- ▶ 用於無塵工作的 FEIN DUSTEX II 套件

#### FEIN DUSTEX II 吸塵器

這一套件中包含：1 套 5 m 軟管，直徑 36 mm；1 套底部吸嘴；2 套延長管；1 套 接縫吸嘴；1 套沙發吸嘴；1 套用於德國泛音公司電動工具的適配器；1 套通用電動工具適配器；1 套過濾器袋。

訂貨號

7 229 37 52



**角磨機，直徑180 mm**

帶快速制停系統的角磨機，建立了2000瓦級別內安全與功率方面的新標準。

型號: WSB 20-180 (72210500237)



W 84-80-2105

**角磨機，直徑230 mm**

帶快速制停系統的角磨機，建立了2000瓦級別內安全與功率方面的新標準。

型號: WSB 20-230 (72210600230)



W 84-80-2106

**角磨機，直徑125 mm**

帶M 14主軸的緊湊型角磨機。

型號: WSG 12-125 (72209600237)



W 84-80-2096

**角磨機，直徑125 mm**

高性能強力125毫米直徑緊湊型角磨機，滿足各種作業要求。

型號: WSS 12-125 (72208800238)



W 84-80-2088

**1200 W角向拋光機**

帶M 14主軸的角向拋光機，適合於終磨、精刷、磨砂和拋光操作。

型號: WPO 12-27 E (72209100230)



W 84-80-2091

**固定盤**

適用於帶開關拉線的褶片，橡膠塗層，M14, 170mm

型號: (63806030004)



W 84-80-3004

**FEIN Centering Pin (104mm)**

型號: (32017332009)

W 84-80-2009

**Dustex II 1300 W吸塵器**

型號: Dustex II (92020223011)



W 84-80-3011

**彈性金鋼砂輪**

100 x 100 mm

型號: 63721007016



W 84-80-7016

**FEIN Pipe Set For Polisher 管材套裝**

配有：

- 1x拋光用橡膠滾筒(100 x 70 mm)
- 10x砂帶(600 x 30 mm，粗細度為60)
- 10x砂帶(600 x 30 mm，粗細度為120)
- 1x羊毛帶(600 x 30 mm，中等)
- 1x羊毛帶(600 x 30 mm，精細)
- 1x砂帶用膠帶

型號: 63806181022



W 84-80-1022

**FEIN FILTER FOR DUSTEX**

84-80-8888

W 84-80-8888

**FEIN Lamella Fleece Cylinder**

柱狀羊毛輪 100 x 100 mm

型號: 63721009018



W 84-80-9018

**FEIN POLISHER Basic Set**

配有：

- 1x彈性磨光軋輥(100 x 100 mm，粗細度60)
- 1x柱狀羊毛輪(100 x 100 mm，粗細度180)
- 1x帶波紋褶皺的羊毛拋光片(30 x 150 mm、M 14)
- 1x夾軸(15-50 mm)
- 10x自貼羊毛拋光片(Ø 115 mm、質地精細)
- 1x固定盤(直徑115 mm、M14)，帶自貼件
- 1xINOX編織鋼制圓刷(直徑115 mm、M14)
- 2x扳手

型號: 63721006028



W 84-80-6028

**FEIN Protective Hoop 護罩**

作為護手

型號: 30229216005



W 84-80-6005

**FEIN Rotating Holder for Angle Polisher 套筒**

適用於側手柄，可旋轉360°

型號: 33021102022



W 84-80-2022

**FEIN TipStart 觸摸式角磨機 (直徑125毫米)**

功率強勁，適合砂光及切割操作。

型號: WSB 13-125 (72211400230)



W 84-80-7230

**FEIN TipStart 觸摸式角磨機 (直徑115毫米)**

操作輕便靈活，適合各種去毛刺及打磨作業。

型號: WSB 8-115 (72212000237)



W 84-80-7237

**FEIN TipStart 觸摸式角磨機**

型號: WSG 13-125 (72211530230)



W 84-80-7223

**FEIN TipStart 觸摸式角磨機 (直徑150毫米)**

帶M 14主軸的緊湊型角磨機，功率強勁，適合砂光及切割操作。

型號: WSG 13-150 (72211600239)



W 84-80-7239

**FEIN 吸塵機-吸塵毛刷**

型號: 31322607015



W 84-80-7015

**工具箱**

金屬製品，445 x 310 x 245 mm，3.8 kg

型號: 33901098018



W 84-80-8018

**FEIN 吸塵機過濾紙袋**

型號: 31322602012

W 84-80-6020

**FEIN TipStart 觸摸式角磨機(直徑115毫米)**

帶M 14主軸的緊湊型角磨機，操作靈活輕便，適合去毛刺以及打磨操作。

型號: WSG 8-115 (72212100236)



W 84-80-7236

**MultiMaster Flexible cutting wheels for stone (180mm)**



W 84-80-1832

**MultiMaster Flexible cutting wheels for stone (230mm)**



W 84-80-2332

**夾軸**

適用於各種拋光工具(軋輥型和滾筒型)，長100mm，工具固定夾頭直徑19 mm

型號: 63803067028



W 84-80-7028





**CD231K2**  
W 84-25-0231  
9.6V 充電鑽 (2電池)



**CD431K2**  
W 84-25-0431  
12V 充電鑽 (2電池)



**CD632K-2**  
W 84-25-0632  
14.4V 充電鑽 (2電池)



**KC2000FK**  
W 84-25-2000  
3合1 充電工具套裝 (12V)



**KC360H**  
W 84-25-0360  
充電批 (3.6V NiMH)



**KC9036**  
W 84-25-9036  
3.6V 充電批



**KC9039**  
W 84-25-9039  
3.6V 充電批



**PP360**  
W 84-25-3600  
PivotDriver 充電批 (4.8V NiMH)



**CD701**  
W 84-50-0701  
B&D CD701 1800W 雙溫調節熱風槍



**KX2000K**  
W 84-50-2200  
B&D KX2000K 熱風槍套裝 2000W



**MT3000**  
W 84-80-3000  
B&D MT3000 四合一電動工具 (電批/除漆/磨/刮鏟)



## 電源線 安全可靠，質素保證

Product Code	Description
W51-02-3002	Carry-On BS13A>IEC/C13 電源線 (2尺/0.75mm <sup>2</sup> 線)
W51-02-3006	Carry-On BS13A>IEC/C13 電源線 (6尺/0.75mm <sup>2</sup> 線)
W51-02-3012	Carry-On BS13A>IEC/C13 電源線 (12尺/0.75mm <sup>2</sup> 線)
W51-02-3018	Carry-On BS13A>IEC/C13 電源線 (18尺/0.75mm <sup>2</sup> 線)
W51-02-3106	Carry-On BS13A>IEC/C13 "右曲"電源線 (6尺/0.75mm <sup>2</sup> 線)
W51-02-3402	Carry-On BS13A>IEC/C8 "8形"電源線 (2尺/0.75mm <sup>2</sup> 線)
W51-02-3406	Carry-On BS13A>IEC/C8 "8形"電源線 (6尺/0.75mm <sup>2</sup> 線)
W51-02-3206	Carry-On IEC/C13>IEC/C14 電源延長線 (6尺/0.75mm <sup>2</sup> 線)
W51-02-3212	Carry-On IEC/C13>IEC/C14 電源延長線 (12尺/0.75mm <sup>2</sup> 線)
W51-02-3306	Carry-On IEC/C13>End Cut 電源線 (6 尺/0.75mm <sup>2</sup> 線)

\*附認證 / 規格



IEC部分為雙物料設計:



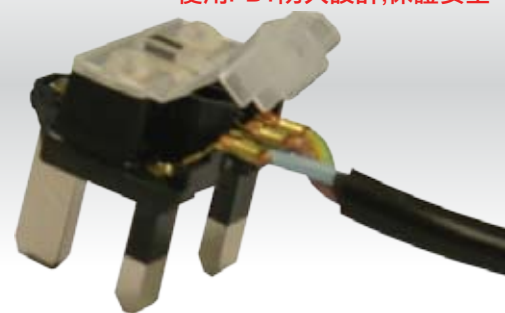
PVC 柔軟保護電線設計

PBT (高溫防火物料) 更安全，更可靠

\*Polyester with Glass Fibre & Non-Inflammable



德國Taller 插蘇部件  
使用PBT防火設計,保證安全



**華輝 WECL** 香港區總代理

### UL Cable (300ft/線軸), 18/22/26 AWG

Product Code	Description
W53-16-0180	UL1015 #18 灰色線
W53-16-0181	UL1015 #18 黃色線
W53-16-0182	UL1015 #18 藍色線
W53-16-0183	UL1015 #18 橙色線
W53-16-0184	UL1015 #18 黑色線
W53-16-0185	UL1015 #18 啡色線
W53-16-0186	UL1015 #18 白色線
W53-16-0187	UL1015 #18 綠色線
W53-16-0188	UL1015 #18 紅色線
W53-16-0189	UL1015 #18 紫色線
W53-16-0221	UL1007 #22 黑色線
W53-16-0222	UL1007 #22 藍色線
W53-16-0223	UL1007 #22 啡色線
W53-16-0224	UL1007 #22 白色線
W53-16-0225	UL1007 #22 黃色線
W53-16-0226	UL1007 #22 綠色線
W53-16-0227	UL1007 #22 橙色線
W53-16-0228	UL1007 #22 紅色線
W53-16-0229	UL1007 #22 紫色線
W53-16-0231	UL1007 #22 灰色線
W53-16-0260	UL1007 #26 白色線
W53-16-0261	UL1007 #26 紅色線
W53-16-0262	UL1007 #26 黑色線
W53-16-0263	UL1007 #26 啡色線
W53-16-0264	UL1007 #26 橙色線
W53-16-0265	UL1007 #26 黃色線
W53-16-0266	UL1007 #26 綠色線
W53-16-0267	UL1007 #26 藍色線
W53-16-0268	UL1007 #26 紫色線
W53-16-0269	UL1007 #26 灰色線



### Welcom Wire Wrap Wire

Product Code	Description
W53-17-2000	Welcom 30# 藍色 Wire Wrap Wire (1kft/105°C)
W53-17-2001	Welcom 30# 白色 Wire Wrap Wire (1kft/105°C)
W53-17-2002	Welcom 30# 灰色 Wire Wrap Wire (1kft/105°C)
W53-17-2003	Welcom 30# 紅色 Wire Wrap Wire (1kft/105°C)
W53-17-2004	Welcom 30# 啡色 Wire Wrap Wire (1kft/105°C)
W53-17-2005	Welcom 30# 紫色 Wire Wrap Wire (1kft/105°C)
W53-17-2006	Welcom 30# 黃色 Wire Wrap Wire (1kft/105°C)
W53-17-2007	Welcom 30# 黑色 Wire Wrap Wire (1kft/105°C)
W53-17-2008	Welcom 30# 綠色 Wire Wrap Wire (1kft/105°C)
W53-17-2009	Welcom 30# 橙色 Wire Wrap Wire (1kft/105°C)



### Welcom 多蕊扁平排線

Product Code	Description
W53-35-1010	Welcom 10蕊扁平排線 76.5m (250ft/灰色)
W53-35-1016	Welcom 16蕊扁平排線 76.5m (250ft/灰色)
W53-35-1020	Welcom 20蕊扁平排線 76.5m (250ft/灰色)
W53-35-1026	Welcom 26蕊扁平排線 76.5m (250ft/灰色)
W53-35-2034	Welcom 34蕊扁平排線 76.5m (250ft/灰色)
W53-35-1040	Welcom 40蕊扁平排線 76.5m (250ft/灰色)
W53-35-1051	Welcom 50蕊扁平排線 76.5m (250ft/灰色)





## Audio filter



**YE10T1**

W 73-05-0010

10A 250V音頻濾波器



**YE20T1**

W 73-05-0021

20A 250V音頻濾波器

## 3 phase EMI filter



**YI40T7**

W 73-05-0040

40A 250VAC 3-PHASE EMI FILTER



**YI60T7**

W 73-05-0060

60A 250VAC 3-PHASE EMI FILTER



**YH15T4-1**

W 73-05-1504

500V 15A AC FILTER 3 PHASE



**YH20T4**

W 73-05-2004

AC FILTER 3 PHASE

## With IEC connector



**YB06T1**

W 73-05-0601

6A 250V AC EMI FILTER



**YB10T1**

W 73-05-1001

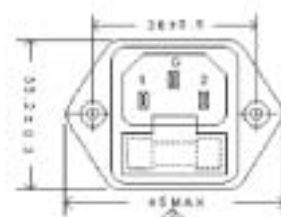
10A 250V AC EMI FILTER



**YL06T1**

W 73-05-1601

AC-EMI LINE FILTER 6A 250V WITH FUSE HOLDER



## Plastic PCB



**YG03T5**

W 73-05-0305

3A 250V AC EMI FILTER



**YF03T6**

W 73-05-0306

3A 250V AC EMI FILTER

## Chassis



**YC05T1**

W 73-05-0501

5A 250V AC EMI FILTER



**YC15T1**

W 73-05-1501

15A 250V AC EMI FILTER



**YC20T1**

W 73-05-2001

20A 250V AC EMI FILTER



74-02-2231



74-02-2232



74-02-2233



74-02-2234



74-02-2235



74-02-2236



74-02-2237

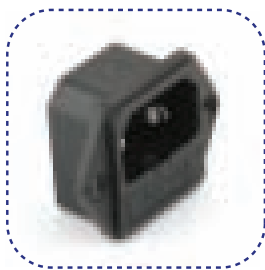
## RoHS Compliance

Product Code	Model Number	Description
W 74-02-2231	JA-2231	電源母插C13 直身
W 74-02-2232	JA-2231-A	電源母插C13正面曲
W 74-02-2233	JA-2231-H	電源母插C15 直身
W 74-02-2234	JA-2231-2	電源母插C13側面曲
W 74-02-2235	JA-2233	電源公插C14 直身
W 74-02-2236	JA-2233-A	電源公插C14正面曲
W 74-02-2237	JA-2233-2	電源公插C14側面曲

## AC Power Socket



74-03-0013



74-03-1012



74-03-1014



74-03-1015



74-03-2003



74-03-1013



74-03-2002

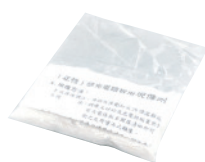


74-03-9001

## RoHS Compliance

Product Code	Model Number	Description
W 74-03-0013	JR-101-1FS	電源公座C14帶保險座,卡入式
W 74-03-1012	JR-101-1F	電源公座C14帶保險座,螺孔固定式
W 74-03-1013	JR-101-1FR-04	電源公座C14雙刀綠燈開關帶保險座,螺孔固定式
W 74-03-1014	JR-101-1FRS(10)-04	電源公座C14雙刀綠燈開關帶保險座,卡入式
W 74-03-1015	JR-101-1FSA-04	電源公座C14雙刀綠燈開關,卡入式
W 74-03-2002	JR-101-1FRS(10)-03	電源公座C14雙刀紅燈開關帶保險座,卡入式
W 74-03-2003	JR-101-1FSA-03	電源公座C14雙刀紅燈開關,卡入式
W 74-03-9001	JR-101-1FR-03	電源公座C14雙刀紅燈開關帶保險座,螺孔固定式





**W** 14-03-0001



**W** 14-03-1305



**W** 14-03-1406



**W** 14-03-1408



**W** 14-03-1610

Model No.	DP-50	GS75125	GS1015	GS1020	GS1525
Description	14-03-0001 DP-50 顯影粉	單面纖維感光板 3" x 5"	單面纖維感光板 4" x 6"	單面纖維感光板 4" x 8"	單面纖維感光板 6" x 10"



**W** 14-03-1612



**W** 14-03-1810



**W** 14-03-1812



**W** 14-03-2305

Model No.	GS1530	GS2025	GS2030	GD75125
Description	單面纖維感光板 6" x 12"	單面纖維感光板 8" x 10"	單面纖維感光板 8" x 12"	雙面纖維感光板 3" x 5"



**W** 14-03-2406



**W** 14-03-2408



**W** 14-03-2610



**W** 14-03-2612

Model No.	GD1015	GD1020	GD1525	GD1530
Description	雙面纖維感光板 4" x 6"	雙面纖維感光板 4" x 8"	雙面纖維感光板 6" x 10"	雙面纖維感光板 6" x 12"



**W** 14-03-2810



**W** 14-03-3305



**W** 14-03-3406



**W** 14-03-3408

Model No.	GD2025	PS75125	PS1015	PS1020
Description	雙面纖維感光板 8" x 10"	單面電木感光板 3" x 5"	單面電木感光板 4" x 6"	單面電木感光板 4" x 8"



**W** 14-03-3610



**W** 14-03-3612



**W** 14-03-3810



**W** 14-03-3812

Model No.	PS1525	PS1530	PS2025	PS2030
Description	單面電木感光板 6" x 10"	單面電木感光板 6" x 12"	單面電木感光板 8" x 10"	單面電木感光板 8" x 12"



**W** 14-06-0060



**W** 14-06-0102



**W** 14-06-0104

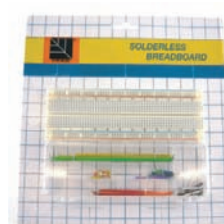
Model No.	MJW60B	MB-102	MB-104
Description	Jump Wire Box	166 x 54 x 9 mm 830 holes	215 x 130 x 31 mm 1660 holes



**W** 14-06-0106



**W** 14-06-0108



**W** 14-06-0202

Model No.	MB-106	MB-108	MB-102J
Description	240 x 195 x 31 mm 2390 holes	260 x 240 x 31 mm 3220 holes	MB-102 bread board + Jump Wire



**W** 14-06-1011



**W** 14-06-1012



**W** 14-06-1013



**W** 14-06-1014



**W** 14-06-1015



**W** 14-06-1016



**W** 14-06-1017



**W** 14-06-1018



**W** 14-06-1019



**W** 14-06-1020



**W** 14-06-1111

Model No.	Jumper Wire 100mm		
Description	100mm AWG #26 Jumper Wire (11 different colors) Red / Orange / Yellow / Green / Blue / Purple / Grey / White / Brown / Black / Pink		



**W** 14-06-1021



**W** 14-06-1022



**W** 14-06-1023



**W** 14-06-1024



**W** 14-06-1025



**W** 14-06-1026



**W** 14-06-1027



**W** 14-06-1028



**W** 14-06-1029



**W** 14-06-1030



**W** 14-06-1121

Model No.	Jumper Wire 50mm		
Description	50mm AWG #26 Jumper Wire (11 different colors) Red / Orange / Yellow / Green / Blue / Purple / Grey / White / Brown / Black / Pink		





**W** 88-25-0045

Model No.	2-0231652-1
Description	AMP RJ-45 Pro-installation Crimper (2-0231652-1)



**W** 88-25-0110

Model No.	74792-01
Description	AMP 110 Impact Tool (74792-01)



**W** 88-25-1110

Model No.	1375308-1
Description	AMP Impact Tools (1375308-1)



**W** 88-25-1725

Model No.	0-1725150-1
Description	AMP SL Series Jack Termination Tool ( 0-1725150-1)



**W** 88-25-6045

Model No.	0-0790163-1
Description	AMP 0-0790163-1 Cat.6 ProCrimper Tools



# Hand Tools (Electrical & Communications)

 <p>W 81-25-0014</p> <p>HT-14B Blade For HT-324</p>	 <p>W 81-25-0105</p> <p>HT-105 豆子鉗</p>	 <p>W 81-25-0106</p> <p>HT-106H F-59,62,6 同軸線鉗</p>
 <p>W 81-25-0109</p> <p>HT-109 5" 電子剪鉗</p>	 <p>W 81-25-0143</p> <p>HT-1043 開線鉗 22AWG - 30AWG</p>	 <p>W 81-25-0200</p> <p>HT-200AR 4/6/8P AMP電話頭鉗</p>
 <p>W 81-25-0204</p> <p>HT-204 開方孔器 18 AWG</p>	 <p>W 81-25-0210</p> <p>HT-210C 美式電話頭鉗(RJ-45)/8P</p>	 <p>W 81-25-0213</p> <p>HT-213 20AWG - 28AWG 線耳鉗</p>
 <p>W 81-25-0214</p> <p>HT-214 彩虹排線鉗</p>	 <p>W 81-25-0218</p> <p>HT-218 金屬扎帶鎗</p>	 <p>W 81-25-0262</p> <p>HT-26B 英式/美式電話頭鉗6P二合一</p>
 <p>W 81-25-0268</p> <p>HT-268 美式電話頭鉗6P/8P二合一</p>	 <p>W 81-25-0301</p> <p>HT-301 線耳鉗 (紅,藍,黃,線耳) / 打中間</p>	 <p>W 81-25-0311</p> <p>HT-311M 同軸線鉗 4C,5C,7C</p>
 <p>W 81-25-0312</p> <p>HT-312B 同軸線開線器RG-58/59/62</p>	 <p>W 81-25-0319</p> <p>HT-319 Pin Extractor (3.96mm)</p>	 <p>W 81-25-0322</p> <p>HT-322 同軸線開線器 (RG58/59/6)</p>
 <p>W 81-25-0324</p> <p>HT-324B 電話面板拮刀 (On 110/88 Type)</p>	 <p>W 81-25-0330</p> <p>HT-330K Coaxial Tool Kit (With Box)</p>	 <p>W 81-25-0332</p> <p>HT-332 同軸線開線器 (RG-174,58,59,6)</p>



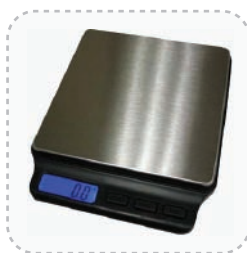


# Hand Tools (Electrical & Communications)

 <p>W 81-25-0336</p> <p>HT-336J 同軸線鉗 RG174,179</p>	 <p>W 81-25-0500</p> <p>HT-500R 電話頭鉗 (RJ45/RJ12/RJ11)</p>	 <p>W 81-25-0501</p> <p>HT-S501A UTP Cable 開線器</p>
 <p>W 81-25-0504</p> <p>HT-504 重型線耳鉗 (6-20 AWG)</p>	 <p>W 81-25-0705</p> <p>HT-338 不銹鋼扎帶鎗</p>	 <p>W 81-25-1041</p> <p>HT-1041 開線鉗 10AWG-18AWG</p>
 <p>W 81-25-1042</p> <p>HT-1042 開線鉗 16AWG-26AWG</p>	 <p>W 81-25-1066</p> <p>HT-106F RG 6, 11, 213 同軸線鉗</p>	 <p>W 81-25-1080</p> <p>HT-108 電線開線鉗 10-30 AWG</p>
 <p>W 81-25-2202</p> <p>HT-202B 線耳鉗</p>	 <p>W 81-25-2301</p> <p>HT-336A 同軸線鉗 RG 58,59,62</p>	 <p>W 81-25-2500</p> <p>HT-2500A Network Tool Kit (With Box)</p>
 <p>W 81-25-3013</p> <p>HT-336C 同軸線鉗RG 58,59,62,6</p>	 <p>W 81-25-3015</p> <p>HT-236E 線耳鉗線通 AWG12/14/16/18/20/22</p>	 <p>W 81-25-3018</p> <p>HT-236H 線耳鉗(紅,藍,黃,線耳)/打大頭</p>
 <p>W 81-25-3019</p> <p>HT-336K 同軸線鉗 RG 8,11,174,179,213</p>	 <p>W 81-25-3045</p> <p>HT-K3045 專業 防水接頭套庄</p>	 <p>W 81-25-3193</p> <p>HT-319C Pin Extractor (for V.35 male)</p>
 <p>W 81-25-3194</p> <p>HT-319D Pin Extractor</p>	 <p>W 81-25-3421</p> <p>HT-342A Plastic Fiber Optic Stripper</p>	 <p>W 81-25-5041</p> <p>HT-504A 重型線耳鉗 2 - 8 AWG</p>

## LanteScale BT-2000 小型電子磅 2000g x 0.1g

- 最大秤量: 2000g
- 分度值 0.1 g
- 使用2粒AAA電池
- 不銹鋼秤盤
- 背光螢幕
- 抗超負荷功能，防止儀器受損



W 71-30-4001

## LanteScale GS-50 小型電子磅 50g x 0.01g

- Capacity: 50g
- Readability: 0.01g
- Auto Calibration
- Tare Range: Tare full capacity
- Operation temperature: 10-30°C
- Display: LCD 4 1/2 digits



W 71-30-4002

## LanteScale Mini4 小型電子磅 50g x 0.01g

- 最大秤量: 50g
- 分度值: 0.01g
- 電源: CR2032 x 1
- 不銹鋼秤盤
- 背光螢幕，可於黑暗環境下工作



W 71-30-4003

## LanteScale FS-50 小型電子磅 50g x 0.01g

- Capacity: 50g
- Readability: 0.01g
- Tare Range: Tare full capacity
- Auto off and auto-calibration functions
- With blue backlight
- Super mini size: 100x76x15mm
- Stainless steel platform



W 71-30-4004

## LanteScale MH-500 小型電子磅 500g x 0.1g

- Capacity: 500g
- Readability: 0.1g
- Auto Calibration
- Tare Range: Tare full capacity
- Auto off (default): 30 seconds off
- Operation temperature: 10-30°C



W 71-30-4005

## LanteScale TS-200 小型電子磅 200g x 0.01g

- Capacity: 200g
- Readability: 0.01g



W 71-30-4007

## OCS-2 電子吊磅 50kg x 20g

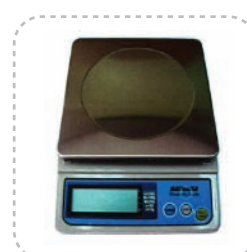
- Capacity: 50kg
- Readability: 20g
- Overload alarm
- Power: 2x CR2032 battery
- Auto power off
- Low battery indicator



W 71-30-4010

## Yamada HC-3 Counting Scale 3000g x 0.1g

- 最大秤量: 3000g
- 分度值: 0.1g
- 機身大小: 230x155x50mm
- 不銹鋼稱盆



W 71-30-4103

## Yamada KM-5 Digital Kitchen Scale 5000g x 1g

- Capacity: 50kg
- Readability: 1g
- Backlit display
- Tare facility
- 3x AAA batteries included
- Ideal for use in kitchen or office



W 71-30-4105

## Tanita KD-400 百利達電子秤 5000g x 1g

- 最大秤量: 5kg
- 分度值: 5kg/1g
- 尺寸: 224mmX160mmX33mm
- 電 源: 鈕扣電池1個CR2032
- 可豎立收藏的獨特設計
- 擁有去皮功能，使用方便



W 71-30-5400





## RCA Plug (Golden)

Product Code	Description
W77-22-0018	5mm (金+紅) RCA插
W77-22-1018	5mm (金+黃) RCA插
W77-22-9018	5mm (金+黑) RCA插
W77-22-0017	6.5mm (金+紅) RCA插
W77-22-1017	6.5mm (金+黃) RCA插
W77-22-9017	6.5mm (金+黑) RCA插
W77-22-1592	6.5mm (紅色) RCA插
W77-22-9592	6.5mm (藍色) RCA插
W77-22-1002	6mm RCA (F) (Red)
W77-22-9001	RCA Plug (黑色)
W77-22-8001	RCA Plug (紅色)
W77-22-3516	鍍金 RCA I - Joint



## RCA Socket (Golden)

Product Code	Description
W77-23-0581	(黃色) RCA 影音座
W77-23-1001	(黑色) RCA 影音座
W77-23-0001	(紅色) RCA 影音座
W77-23-0002	(黑色) RCA 影音座
W77-23-1002	(紅色) RCA 影音座



## Speaker Pin/Plug/Fork (Golden)

Product Code	Description
W77-24-0002	(紅色) 影音喇叭插
W77-24-0003	影音喇叭插
W77-24-0007	大金叉 (右膠)
W77-24-0515	金叉 (黑色膠)
W77-24-0534	Banana Plug 黑色 香蕉駁插 (B)
W77-24-1515	金叉 (紅色膠)
W77-24-1534	Banana Plug 紅色 香蕉駁插 (R)
W77-24-5340	Banana Plug 紅色 /金屬 /香蕉插
W77-24-5341	Banana Plug 黑色 /金屬 /香蕉插
W77-24-9002	(黑色) 影音喇叭插



## Speaker Socket (Golden)

Product Code	Description
W77-25-0824	鍍金喇叭接線柱 (紅色/有絕緣)
W77-25-1824	鍍金喇叭接線柱 (黑色/有絕緣)



## Banana Socket

## RoHS Compliance

Product Code	Description
W74-07-0020	(紅色)香蕉座 (Whole Insert)
W74-07-0021	(黑色)香蕉座 (Whole Insert)
W74-07-0022	(綠色)香蕉座 (Whole Insert)
W74-07-0023	(黃色)香蕉座 (Whole Insert)
W74-07-0065	(紅色)香蕉座
W74-07-0066	(黑色)香蕉座
W74-07-0067	(黃色)香蕉座
W74-07-0068	(綠色)香蕉座
W74-07-0069	(藍色)香蕉座
W74-07-0070	(白色)香蕉座
W74-07-0075	(紅色)香蕉座
W74-07-0076	(黑色)香蕉座
W74-07-9991	香蕉插座 (紅色)
W74-07-9992	香蕉插座 (黑色)



## Banana Plug

## RoHS Compliance

Product Code	Description
W74-08-0001	Banana Plug/R (紅色 香蕉插)
W74-08-0005	Banana Plug/G (綠色 香蕉插)
W74-08-2827	Banana Plug/Y (黃色 香蕉插)
W74-08-4827	Banana Plug/R (紅色 香蕉插)
W74-08-9261	(紅色)香蕉插
W74-08-9262	(黑色)香蕉插



## DC Plug & Socket

## RoHS Compliance

Product Code	Description
W74-10-0121	1.3mm DC Plug
W74-10-0122	2.5mm DC Plug
W74-10-0123	2.1mm DC Plug
W74-10-0128	2.5mm DC Socket <Round>
W74-10-0129	2.1mm DC Socket <Round>
W74-10-0200	汽車煙插座
W74-10-0206	汽車煙插 (W/ Fuse)
W74-10-2323	2.1mm DC Socket 前修絲母



## RCA Plug

## RoHS Compliance

Product Code	Description
W77-01-0003	有膠尾 RCA 插 (紅色)
W77-01-0004	有膠尾 RCA 插 (黑色)
W77-01-0007	有膠尾 RCA 插 (白色)
W77-01-0008	有膠尾 RCA 插 (藍色)
W77-01-0009	有膠尾 RCA 插 (綠色)
W77-01-0010	有膠尾 RCA 插 (黃色)
W77-01-0562	(免焊型) 曲 RCA 插
W77-01-2624	RCA 插 (黃色)
W77-01-3301	RCA 插 (紅色)
W77-01-3302	RCA 插 (黑色)
W77-01-3303	RCA 插 (綠色)
W77-01-3304	RCA 插 (黃色)



## RCA Socket

## RoHS Compliance

Product Code	Description
W77-02-0417	2位 RCA座
W77-02-0419	4位 RCA座
W77-02-1417	4位 RCA座
W77-02-1611	(黑色) RCA座
W77-02-1612	(紅色) RCA座
W77-02-1613	(黃色) RCA座
W77-02-1614	(白色) RCA座



## Clip & Hook

Product Code	Description
W74-05-1809	黑色膠叉仔
W74-05-2809	紅色膠叉仔



## Speaker socket

Product Code	Description
W77-08-0001	JR-2602 2位 喇叭座
W77-08-2606	JR-2606 4位 喇叭座



## AV Adaptors

Product Code	Description
W77-21-0001	RCA 1 (M) to 2 (F) 金色塑膠
W77-21-0004	RCA I-型轉插



## BNC Connector



**W78-10-0006**

BNC (M) 夾線高頻插 RG-6 (1.1mm)



**W78-10-0559**

BNC (F) 夾線高頻插 Panel ISO RG-59



**W78-10-1009**

BNC (F) 焊線型高頻插 Round Panel



**W78-10-1037**

BNC (F) 焊線型高頻插 ISO Panel



**W78-10-1055**

BNC (F) 焊線型高頻插 Square Panel



**W78-10-1490**

BNC (F) 90° 焊線型高頻插 ISO PCB



**W78-10-1603**

BNC (F) 180° 焊線型高頻插 PCB



**W78-10-2037**

BNC (F) 焊線型高頻插 ISO Panel



**W78-10-2059**

BNC (M) 焊線型高頻插 RG-59



**W78-10-2174**

BNC (M) 焊線型高頻插 RG-174

## BNC Terminator/Joint



**W78-10-3558**

BNC (F) 免焊型



**W78-10-5174**

BNC (M) 夾線高頻插 RG-174



**W78-12-0033**

BNC (M) To Double BNC (F) Y Style



**W78-12-0075**

BNC 75Ω Terminator



**W78-12-6058**

BNC T-type 接駁插 BNC (M)-BNC (F)x2

## SMA/SMB Connector



**W78-03-1058**

SMA (M) 夾線高頻插 RG-58



**W78-03-1200**

SMA (F) 焊線型高頻插 Square Panel



**W78-03-2058**

SMA (F) 夾線高頻插 RG-58



**W78-03-2174**

SMA (F) 夾線高頻插 RG-174



**W78-03-6852**

SMA (M) 焊線型高頻插 RG-58



**W78-03-9001**

SMB (M) 夾線高頻插 (RG174U/178U)



**W78-03-9002**

SMB (F) 夾線高頻插 (RG174U/178U) K002B174

## SMA/SMB Joint



W78-04-2240

SMA I-型接駁插 SMA(F) Panel



W78-04-2260

SMA I-型接駁插 SMA(F)



W78-04-9001

SMA (M) to SMA (M)

## N/TNC Connector



W78-11-2001

N (M) Crimp Pin Type (RG-59)



W78-11-2002

N (M) Crimp Pin Type (RG-58)



W78-11-2003

N (M) Crimp Pin Type (RG-213)



W78-11-2004

N (M) Crimp Type (RG-58)



W78-11-2005

N (M) Crimp Type (RG-59)



W78-11-6302

N (M) 焊線型高頻插 (5.4mm) RG-58

## F Connectors



W78-01-0011

F Quick Twist On RG-59/62



W78-01-0584

F插 (F) 焊線型 Round Panel

## F Joint



W78-09-1510

FL-型接駁插 F(M)-F(F)



"DS" F Joint



W78-09-1510

FL-type接駁插 F(M)-F(F)

"DS" N/TNC Joint



W78-20-9010

N Double (F) I-Joint



W78-20-9020

N Double (F) Bulkhead I-Joint

"DS" RF Adaptor



W78-43-7820

SMA (M)轉BNC (F)



W78-43-9001

BNC (M) 轉 F (M)



W78-43-9006

SMA (M) 轉 BNC (M)



W78-43-9007

SMA (M) 轉 N (M)



W78-43-9008

SMA (F) 轉 N (M)



W78-43-9009

SMA (F) 轉 BNC (M)

"JR" RF Adaptor



W78-43-6260

鍍金 F(M) to F(F)+TV(F)



W78-43-9010

BNC (M) to BNC (M)

TV/Antenna Connector



W78-07-2613

汽車天線插 (Metal Sheet)

## AV Accessories

Product Code	Description
W77-28-1344	黑膠鍍Nickel 2.5mm(立體聲插)轉3.5mm(立體聲座)
W77-28-1416	金 6.3mm (單聲插) 轉 RCA鍍(屏蔽式)
W77-28-1418	金 3.5mm (單聲插) 轉 RCA鍍(屏蔽式)
W77-28-1426	金3.5mm(立體聲插)轉6.3mm(立體聲座)
W77-28-1443	全金屬 3.5mm(立體聲插)轉2.5mm(立體聲座)
W77-28-1447	全金屬 2.5mm (單聲插) 轉 3.5mm單聲座
W77-28-1902	金 6.3mm (立體聲插) 轉 3.5mmx2
W77-28-1906	6.3mm(單聲插)轉 6.3mmx2(單聲插)Gold
W77-28-1910	金 3.5mm (立體聲插) 轉 3.5mmx2 (立體聲座)
W77-28-1918	金 3.5mm (立體聲插) 轉 RCA鍍x2
W77-28-6306	金 6.3mm (黑膠立體聲插) 轉 3.5mm(立體聲座)



## 2.5/3.5mm Plug

Product Code	Description
W77-30-0011	3.5mm 立體聲 全金屬有尾 (滑面)
W77-30-0013	3.5mm 立體聲 全金屬有尾 (花面)
W77-30-0073	3.5mm 立體聲座插 (有尾)
W77-30-0101	2.5mm 單聲插
W77-30-1012	3.5mm 立體聲插
W77-30-1014	3.5mm 單聲插
W77-30-1018	2.5mm 立體聲插
W77-30-1108	3.5mm (黑色) 電木殼立體聲插
W77-30-2018	2.5mm 立體聲插有膠尾



## 2.5/3.5mm Socket

Product Code	Description
W77-31-0502	3.5mm 單聲座
W77-31-2316	2.5mm 單聲座



## 6.3mm PLUG

Product Code	Description
W77-32-0302	"NT" 6.3mm 單聲插 (Plastic)
W77-32-0303	"NT" 6.3mm 單聲插 (Metal)
W77-32-0013	"NT" (黑色) 6.3mm 單聲插
W77-32-0014	"NT" (黑色) 6.3mm 立體聲插
W77-32-1013	"NT" (紅色) 6.3mm 單聲插
W77-32-1014	"NT" (紅色) 6.3mm 立體聲插
W77-32-2013	"NT" (橙色) 6.3mm 單聲插
W77-32-2014	"NT" (橙色) 6.3mm 立體聲插
W77-32-3013	"NT" (黃色) 6.3mm 單聲插
W77-32-3014	"NT" (黃色) 6.3mm 立體聲插
W77-32-4013	"NT" (綠色) 6.3mm 單聲插
W77-32-4014	"NT" (綠色) 6.3mm 立體聲插
W77-32-5013	"NT" (藍色) 6.3mm 單聲插
W77-32-5014	"NT" (藍色) 6.3mm 立體聲插
W77-32-0116	6.3mm 單聲座插
W77-32-0306	6.3mm 立體聲插 (Red/Nickel)
W77-32-0309	6.3mm 鍍金單聲插
W77-32-0310	6.3mm 鍍金單聲插 (Black)
W77-32-0311	6.3mm 鍍金立體聲插 (Red)
W77-32-0314	6.3mm 單聲插 (Red)
W77-32-1002	6.3mm 立體聲插
W77-32-1025	6.3mm 曲身屏蔽型單聲插
W77-32-1027	6.3mm 曲身屏蔽型膠身單聲插
W77-32-1103	6.3mm 立體聲座插
W77-32-1306	6.3mm 立體聲插 (Black/Nickel)
W77-32-1310	6.3mm 鍍金單聲插 (Red)
W77-32-1311	6.3mm 鍍金立體聲插 (Black)
W77-32-1314	6.3mm 單聲插 (White)



## 6.3mm SOCKET

Product Code	Description
W77-33-0278	6.3mm 立體聲座 For P.C.B.
W77-33-0279	6.3mm 單聲座 (PCB 型)
W77-33-1803	6.3mm 單聲座 (Fiber)



## 3pin Cannon plug

Product Code	Model Number	Description
W77-26-0003	91M-002-3S	NT 3位 Cannon 公插
W77-26-0004	91M-001-3N	NT 3位 Cannon 母插
W77-26-0101	93M-1001	NT 3位 (黑色) XLR 母插
W77-26-0102	93M-1002	NT 3位 (黑色) XLR 公插
W77-26-1005	99M-1005-B	NT 3位 (Nickel) XLR 母插
W77-26-1006	99M-1006-B	NT 3位 (Nickel) XLR 公插
W77-26-1101	93M-1001	NT 3位 (紅色) XLR 母插
W77-26-1102	93M-1002	NT 3位 (紅色) XLR 公插
W77-26-2101	93M-1001	NT 3位 (橙色) XLR 母插
W77-26-2102	93M-1002-O	NT 3位 (橙色) XLR 公插
W77-26-2903	89M-103-3N	NT 3位 XLR 公插
W77-26-2904	89M-104-3N	NT 3位 XLR 母插
W77-26-3101	93M-1001	NT 3位 (黃色) XLR 母插
W77-26-3102	93M-1002	NT 3位 (黃色) XLR 公插
W77-26-4101	93M-1001	NT 3位 (綠色) XLR 母插
W77-26-4102	93M-1002	NT 3位 (綠色) XLR 公插
W77-26-5101	93M-1001	NT 3位 (藍色) XLR 母插
W77-26-5102	93M-1002	NT 3位 (藍色) XLR 公插
W77-26-9001	03M-12Y-M	NT (黃圈/黑膠身/金屬尾) 3位公插 Plastic XLR Male Connector
W77-26-9002	03M-11Y-M	NT (黃圈/黑膠身/金屬尾) 3位母插 Plastic XLR Female Connector
W77-26-9003	03M-12B-B	NT (藍圈/黑膠身) 3位公插 Plastic XLR Male Connector
W77-26-9004	03M11U-3NB	NT (藍圈/黑膠身) 3位母插 Plastic XLR Female Connector
W77-26-9005	03M11O-3N-M	NT (橙圈/黑膠身/金屬尾) 3位 母插 Plastic XLR Female Connector
W77-26-9006	03M12O-3N-M	NT (橙圈/黑膠身/金屬尾) 3位 公插 Plastic XLR Male Connector
W77-26-9007	03M-12R-B	NT (紅尾/黑膠身) 3位公插 Plastic XLR Male Connector
W77-26-9008	03M-11R-B	NT (紅尾/黑膠身) 3位母插 Plastic XLR Female Connector
W77-26-9009	01M-102BH-3N	NT 3位 XLR 曲母插
W77-26-9011	01M-101BH-3N	NT 3位 XLR 曲公插



## 4-7 pin Cannon plug

Product Code	Model Number	Description
W77-26-2004	89M-103-4N	NT 4位 Cannon 公插
W77-26-2005	89M-103-5N	NT 5位 Cannon 公插
W77-26-2006	89M-103-6N	NT 6位 Cannon 公插
W77-26-2014	89M-104-4N	NT 4位 Cannon 母插
W77-26-2015	89M-104-5N	NT 5位 Cannon 母插
W77-26-2016	89M-104-6N	NT 6位 Cannon 母插
W77-26-2017	89M-104-7N	NT 7位 Cannon 母插
W77-26-9010	01M-102BH-4N	NT 4位 XLR 曲母插
W77-26-9012	01M-101BH-4N	NT 4位 XLR 曲公插



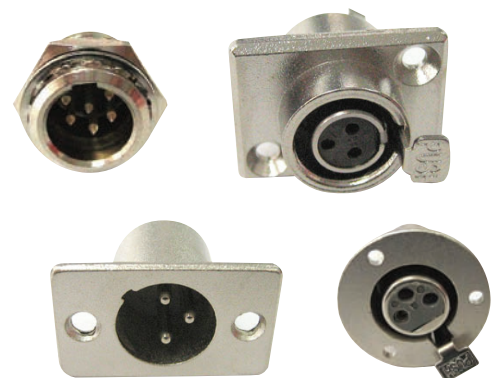
## Mini Cannon plug

Product Code	Model Number	Description
W77-26-9103	92M-501-3S	NT 3位 Mini Cannon 公插
W77-26-9104	92M-501-4S	NT 4位 Mini Cannon 公插
W77-26-9105	92M-501-5S	NT 5位 Mini Cannon 公插
W77-26-9106	92M-501-6S	NT 6位 Mini Cannon 公插
W77-26-9203	92M-502-3S	NT 3位 Mini Cannon 母插
W77-26-9204	92M-502-4S	NT 4位 Mini Cannon 母插
W77-26-9205	92M-502-5S	NT 5位 Mini Cannon 母插
W77-26-9206	92M-502-6S	NT 6位 Mini Cannon 母插



## Panel Socket

Product Code	Model Number	Description
W77-27-0003	89M-108-3N	NT 3位 (M) Cannon座 (面板型)
W77-27-0004	89M-107-3N	NT 3位 (F) Cannon座 (面板型)
W77-27-0014	89M-107-4N	NT 4位 (F) Cannon座 (面板型)
W77-27-0015	89M-107-5N	NT 5位 (F) Cannon座 (面板型)
W77-27-0024	89M-108-4N	NT 4位 (M) Cannon座 (面板型)
W77-27-0025	89M-108-5N	NT 5位 (M) Cannon座 (面板型)
W77-27-8203	92M-507-3G	NT (Sq) Chassis Mount 3P/F 母座
W77-27-8204	92M-507-4S	NT (Sq) Chassis Mount 4P/F 母座
W77-27-8205	92M-507-5S	NT (Sq) Chassis Mount 5P/F 母座
W77-27-8206	92M-507-6S	NT (Sq) Chassis Mount 6P/F 母座
W77-27-8903	89M-107R-3S	NT XLR 3P(F) Panel/Round 母座
W77-27-8913	89M-108R-3P	NT XLR 3P(M) Panel/Round
W77-27-9103	92M-503-3S	NT (M) 3位 Chassis Mount
W77-27-9104	92M-503-4S	NT (M) 4位 Chassis Mount
W77-27-9105	92M-503-5S	NT (M) 5位 Chassis Mount
W77-27-9106	92M-503-6S	NT (M) 6位 Chassis Mount



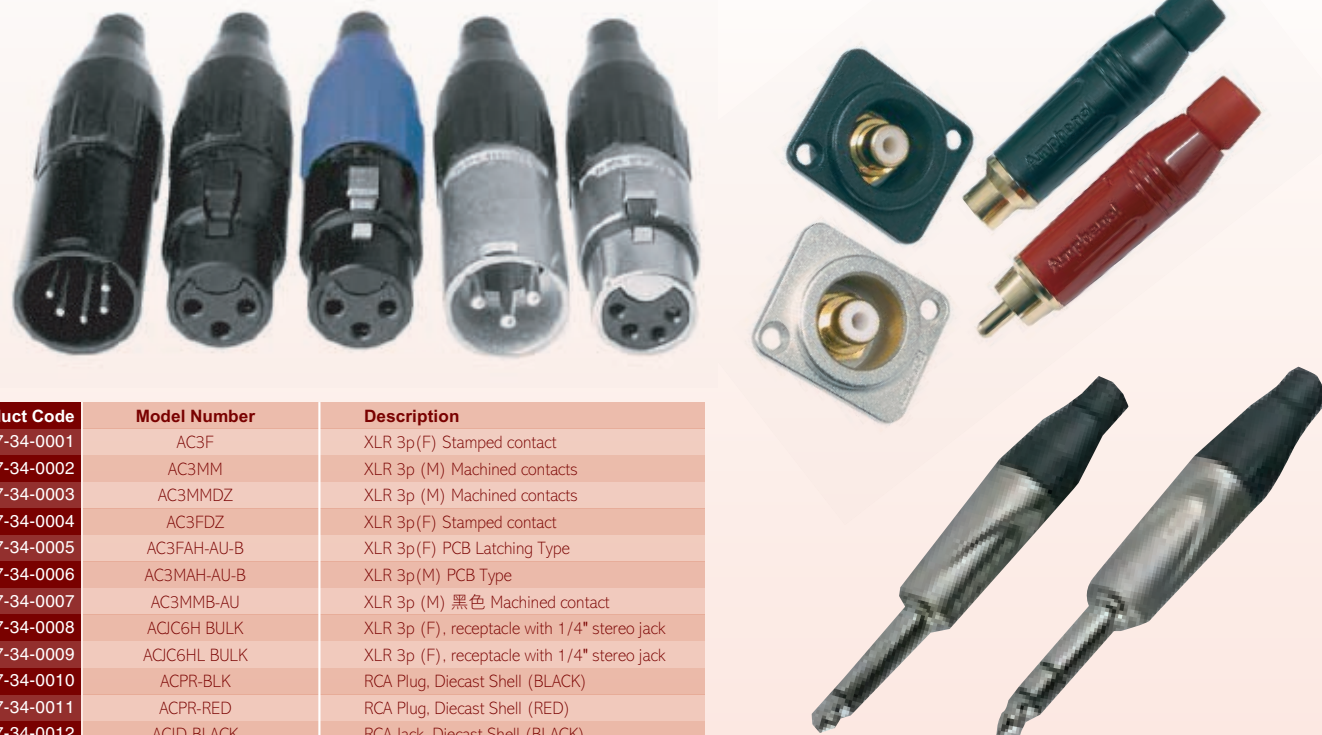


備有各種款式的 connector, socket, adapter, marking ring, 不能盡錄, 歡迎垂詢



## AMPHENOL

備有各種款式 XLR, RCA, 1/4" Phone Plug, 不能盡錄, 歡迎垂詢



Product Code	Model Number	Description
W77-34-0001	AC3F	XLR 3p(F) Stamped contact
W77-34-0002	AC3MM	XLR 3p (M) Machined contacts
W77-34-0003	AC3MMDZ	XLR 3p (M) Machined contacts
W77-34-0004	AC3FDZ	XLR 3p(F) Stamped contact
W77-34-0005	AC3FAH-AU-B	XLR 3p(F) PCB Latching Type
W77-34-0006	AC3MAH-AU-B	XLR 3p(M) PCB Type
W77-34-0007	AC3MMB-AU	XLR 3p (M) 黑色 Machined contact
W77-34-0008	ACIC6H BULK	XLR 3p (F), receptacle with 1/4" stereo jack
W77-34-0009	ACIC6HL BULK	XLR 3p (F), receptacle with 1/4" stereo jack
W77-34-0010	ACPR-BLK	RCA Plug, Diecast Shell (BLACK)
W77-34-0011	ACPR-RED	RCA Plug, Diecast Shell (RED)
W77-34-0012	ACID-BLACK	RCA Jack, Diecast Shell (BLACK)
W77-34-0013	ACID-RED	RCA Jack, Diecast Shell (RED)
W77-34-0014	TM2P	1/4" Mono Phone Plug
W77-34-0015	TS3P	1/4" Stereo Phone Plug

## RCA Plug

Product Code	Model Number	Description
W 78-22-1001	RCAP-C4A	Canare RCAP-C4A RCA Plug (Crimp Type)
W 78-22-1002	RCAP-C3A	Canare RCAP-C3A RCA Plug (Crimp Type)
W 78-22-1003	RCAP-C53	Canare RCAP-C53 RCA Plug (Crimp Type)
W 78-22-1004	RCAP-C5F	Canare RCAP-C5F RCA Plug (Crimp Type)
W 78-22-7032	F-09	Canare F-09 RCA Pin Plug (Soldering Type)
W 78-22-1005	F-10	Canare F-10 RCA Pin Plug (Soldering Type)



## RCA socket

Product Code	Model Number	Description
W 78-22-7033	RJ-RU (Red)	Canare RJ-RU RCA Panel Mount Socket - Red
W 78-22-7034	RJ-RU (White)	Canare RJ-RU RCA Panel Mount Socket - White
W 78-22-7035	RJ-RU (Yellow)	Canare RJ-RU RCA Panel Mount Socket - Yellow
W 78-22-7036	RJ-RU (Green)	Canare RJ-RU RCA Panel Mount Socket - Green
W 78-22-7037	RJ-RU (Blue)	Canare RJ-RU RCA Panel Mount Socket - Blue



## Junction Box (For XLR plug)

Product Code	Model Number	Description
W 78-22-1612	16J12F12 (F77)	Canare 16J12F12 16ch. Junction Box

## F connector/ socket

Product Code	Model Number	Description
W 78-22-1694	FP-C53A	Canare FP-C53A F Connector (Crimp Type)
W 78-22-3702	FK-AD2-R	Canare FK-AD2-R Barrel Adapter for FK
W 78-22-3721	FK37-21C7/8-R	Canare FK37-21C7/8-R Circular Multi-Pin Connector (Female Plug)
W 78-22-3722	FK37-22C7/8-R	Canare FK37-22C7/8-R Circular Multi-Pin Connector (Male Plug)
W 78-22-4001	FP-C4	Canare FP-C4 F Connector (Crimp Type)
W 78-22-4002	FP-C53A	Canare FP-C53A F Connector (Crimp Type)
W 78-22-4003	FP-C5F	Canare FP-C5F F Connector (Crimp Type)
W 78-22-4004	FJ-JRU	Canare FJ-JRU F Receptacle (Flange type)



## BNC connector/Jack

Product Code	Model Number	Description
W 78-22-5004	BCJ-C4	Canare BCJ-C4 BNC Jack (Crimp Type)
W 78-22-5032	BCP-C3B	Canare BCP-C3B Crimp Type BNC Plug
W 78-22-5051	BCJ-RU	Canare BCJ-RU BNC Connector Panel Mount
W 78-22-5053	BCP-C53A	Canare BCP-C53A Crimp Type BNC Plug
W 78-22-5056	BCP-C5FA	Canare BCP-C5FA Crimp Type BNC Plug
W 78-22-5059	BCP-C4B	Canare BCP-C4B Crimp Type BNC Plug
W 78-22-5061	BCP-PC4	Canare BCP-PC4 Crimp Type BNC Plug



## Cable boot

Product Code	Model Number	Description
W 78-22-2401	CB24 (Black)	Canare CB24 3C Cable Boot - Black
W 78-22-2402	CB24 (Red)	Canare CB24 3C Cable Boot - Red
W 78-22-2403	CB24 (Yellow)	Canare CB24 3C Cable Boot - Yellow
W 78-22-2404	CB24 (Green)	Canare CB24 3C Cable Boot - Green
W 78-22-2405	CB24 (Blue)	Canare CB24 3C Cable Boot - Blue
W 78-22-2501	CB25 (Black)	Canare CB-25 RG-59 Cable Boot - Black
W 78-22-2502	CB25 (Red)	Canare CB-25 RG-59 Cable Boot - Red
W 78-22-2503	CB25 (Yellow)	Canare CB-25 RG-59 Cable Boot - Yellow
W 78-22-2504	CB25 (Green)	Canare CB-25 RG-59 Cable Boot - Green
W 78-22-2505	CB25 (Blue)	Canare CB-25 RG-59 Cable Boot - Blue
W 78-22-2601	CB26 (Black)	Canare CB-26 5C Cable Boot - Black
W 78-22-2602	CB26 (Red)	Canare CB-26 5C Cable Boot - Red
W 78-22-2603	CB26 (Yellow)	Canare CB-26 5C Cable Boot - Yellow
W 78-22-2604	CB26 (Green)	Canare CB-26 5C Cable Boot - Green
W 78-22-2605	CB26 (Blue)	Canare CB-26 5C Cable Boot - Blue
W 78-22-5001	CB03 (Red)	Canare CB-06 3C Cable Boot - Red
W 78-22-5002	CB03 (Blue)	Canare CB-06 3C Cable Boot - Blue
W 78-22-5003	CB03 (Green)	Canare CB-06 3C Cable Boot - Green
W 78-22-6001	CB04 (Red)	Canare CB-04 RG-59 Cable Boot - Red
W 78-22-6002	CB04 (Blue)	Canare CB-04 RG-59 Cable Boot - Blue
W 78-22-6003	CB04 (Green)	Canare CB-04 RG-59 Cable Boot - Green
W 78-22-7001	CB05A (Red)	Canare CB-05A 5C Cable Boot - Red
W 78-22-7002	CB05A (Blue)	Canare CB-05A 5C Cable Boot - Blue
W 78-22-7003	CB05A (Green)	Canare CB-05A 5C Cable Boot - Green



## Canare Tools

Product Code	Model Number	Description
W78-22-8000	TC-1	Canare BNC Crimper body (without die)
W78-22-8001	TCD-4CA	Canare BNC Die for RG-59B/U
W78-22-8002	TCD-35CA	Canare BNC Die for 3C, 5C
W78-22-8003	TCD-5CF	Canare BNC Die for 5CFB
W78-22-8004	TCD-1DB	Canare BNC Die for 1.5C / 1.5D
W78-22-9000	TS100E	Canare TS100E Coaxial Cable Stripper



78-22-8000



78-22-8001



78-22-8002



78-22-8003



78-22-8004



78-22-9000

## Phone Plug (Soldering Type)

Product Code	Model Number	Description
W78-22-0002	F-15	Canare F-15 1/4" Mono TS Phone Plug (Soldering Type)
W78-22-0003	F-16	Canare F-16 1/4" Stereo TRS Phone Plug (Soldering Type)
W78-22-0004	F-11	Canare F-11 3.5mm Mono Phone Plug (Soldering Type)
W78-22-0005	F-12	Canare F-12 3.5mm Stereo Phone Plug (Soldering Type)



## Triaxial Panel Mount

Product Code	Model Number	Description
W78-22-0501	CCF5-JFR	Canare CCF5-JFR Triaxial Female Panel Mount
W78-22-0502	CCM5-PFR	Canare CCM5-PFR Triaxial Male Panel Mount
W78-22-0503	MCF-V5C3	Canare MCF-V5C3 5-Pin Coaxial Female Panel Mount
W78-22-1501	CCM5-PF	Canare CCM5-PF Triaxial Male Cable Mount
W78-22-1502	CCF5-JF	Canare CCF5-JF Triaxial Female Cable Mount
W78-22-1503	MCM-V5C3	Canare MCM-V5C3 Multicore Coaxial Plug







# 專業綜合佈線系統

理線架



彩色屏蔽和非屏蔽跳線



插座表面安裝盒



插座面板



多媒體配線架



彩色線套



4-10位水晶頭（屏蔽和非屏蔽）





## WYPALL® X WIPERS

Tough enough to reuse many times  
堅韌無比，並可重複再用

Lasts longer than rags and other disposable wipers  
比其它碎布及用完即棄的抹紙更持久耐用

Strong and soft - Won't scratch surfaces  
紙質堅韌及柔軟，不會刮花表面

Pop-Up® box one-at-a-time dispensing  
system reduces waste, controls usage,  
reduces waste and enhances productivity  
「逐張抽取」紙盒設計，每次抽取一張，  
有效控制用量，避免浪費，方便攜帶

Fast-absorbing liquids, oils and grease  
for better cleaning performance  
快速吸收液體及油漬，使清潔效果更佳

Best for mopping up large spills scrubbing down  
machinery and face and hand wiping  
適合一般清潔用途，包括清理大片污漬、  
擦拭機械及抹手

### Features and Benefits 特性

Highly-absorbent - specially manufactured to clean up oil, grease, solvents, water and dirt  
吸力特強，能迅速吸收油漬、水漬、污漬及其它液體

Regular packaging saves storage space and makes the workplace look more professional  
大小相同的包裝盒方便存放，令工作間保持井井有條

Consistent sheets size and quality saves sorting time and labor cost, enhances productivity  
每張擦拭紙的呎碼及品質一致，能減少挑選抹布的時間，提高生產力



**HYDROKNIT®**  
FAST ABSORBING MATERIAL

High Performance HYDROKNIT®  
Materials absorb faster, resists  
tearing and won't fall apart

## WYPALL® X70 MANUFACTURED RAGS

Economical scrap rags and shop towels with our Hydroknit® fast-absorbing material  
令柔韌度特強，能全面代替碎布及毛巾

產品編號 Code	說明 Description	呎寸 Wipers Size	顏色 Color	包裝 Packing	抽取系統 Delivery Systems	每箱張數 Case Count
41200	WYPALL® X70 Manufactured Rags	12.5" x 14.4"	White 白色	12 x 76 sheets	1/4 Fold	912

W 75-07-4120







## KIMTECH SCIENCE\* 精密低塵擦拭布系列

是專為應付精密細緻的器材及安全設施而設，如實驗室、航天儀器、光學儀器、醫療及診所儀器、玻璃鏡面、印刷設備、汽車美容及機械配件等。

### KIMTECH SCIENCE\* KIMWIPES® 精密低塵擦拭布

- 布質微粒量極低，能徹底清潔表面。
- 手感柔軟，不會刮損精密器材及玻璃的表面。
- 抗靜電防塵抽取窗口，進一步減少微粒及靜電。
- 抽取式設計，有效控制用量，避免浪費。



34155:

W 75-07-3415

型號	產品說明	尺寸	顏色	層數	抽取系統	包裝	外箱張數
34155	KIMTECH SCIENCE* KIMWIPES® 精密低塵擦拭布	4.4" x 8.4"	白色	1	POP-UP® Box 盒裝	1箱 x 60盒 x 280張	16,800



34155



34705



34721



34256



## KLEENGUARD\* Brand Eye Protection

See the difference comfort makes in eye protection



Introducing the new standard in eye protection for use in a wide variety of general-purpose applications. KLEENGUARD\* V10 Standard Eye Protection features distortion-free lenses and offers proven impact protection and a range of styles to meet individual needs.

### Features

- Impact resistant
- Lightweight frames for added comfort<sup>1</sup>
- 99.9% UVA/UVB protection
- Over-the-glass (OTG)

<sup>1</sup> Except OTG (Over-the-glass)



Now you have more flexibility in eye protection KLEENGUARD\* V30 Flexible Eye Protection combines valuable impact protection with a ratcheted temple for enhanced comfort and flexibility. These features help encourage more acceptance on the job and increased compliance with safety regulations.

### Features

- Impact resistant
- Wraparound lens for better eye coverage
- 99.9% UVA/UVB protection
- Comfortable, padded nose bridge
- Special flexible temples for added comfort
- Adjustable lens angle

### KLEENGUARD\* Brand Eye Protection:

- Provides limited eye protection. Additional protective devices are required for full eye coverage and protection.
- Does not protect you from all hazards. Even though the lenses in these safety glasses are impact resistant, they can break and shatter and will not protect you from explosions, all flying debris, and severe impacts.
- Should not be worn to provide protection from other hazards including, but not limited to extreme temperatures, high heat, airborne dusts or mists, liquid splashes, sports activities and high energy optical radiation.

MEETS THE ANSI Z87.1+ and EN 166 standards

KLEENGUARD* Brand Eye Protection				
Description	Code No.	Colour	Case Contents	
KLEENGUARD* V10 Eyewear, OTG Lens	8585	Clear	1  x 12  = 12 pairs	 83-02-8585
KLEENGUARD* V30 Eyewear, Smoke Lens	8450	Smoke	1  x 12  = 12 pairs	 83-02-8451
KLEENGUARD* V30 Eyewear, Anti-Fog Lens	8452	Clear	1  x 12  = 12 pairs	 83-02-8452

## KLEENGUARD\* Brand Eye Protection

See the difference comfort makes in eye protection

**Sometimes the only thing standing between you and a serious industrial accident is your eye protection.**

That's why you need KLEENGUARD\* Brand Eye Protection. Plus, with all the added features for comfort and flexibility, it's easy to see why more workers wear it for protection and want it for comfort, flexibility and style.

### Proven Impact Protection

KLEENGUARD\* Eyewear Protection offers a variety of options that meet ANSI Z87.1+ standards.

### Added Comfort and Flexibility

Our State-of-the-art eyewear design includes wraparound lenses, flexible temples, padded nose bridges and other features to enhance your comfort and job performance

### Wide Selection of Lens Type

Smoke, Amber, Clear and more. Choose the lens type that best meets your individual work requirements and style preference.

**Clear** - Choose this lens for maximum visible light transmission; ideal for indoor application

**Clear, Anti-fog** - Choose this lens to help prevent fogging in high-humidity environments or when temperature shifts happen suddenly.

**Smoke** - Choose this lens for bright, sunny days for maximum glare reduction. Ideal for applications where eyestrain is a concern.

**Amber** - Ideal for low-light environments where contrast is low. Blocks out blue light to highlight and define shapes.





# 匯集世界名廠貨 提供直銷優惠價

## Testers 測試儀器



## Power Supplies 電源供應器



## Tools 電動及測量工具



## Soldering 銲接工具



## Cables 電線



## Electronic Components 電子零件

