



# High Temperature

# Infrared THERMOMETER

Model : TM-949

FEATURES	
* -20 °C to 650 , Wide range IR temperature measurement.	* Data hold function for stored the desired value on display.
* Infrared thermometer, non-contact temperature measurement, -20 °C to 650 °C (-4 °F to 1202 °F ), precision for none contact temperature measurement.	* Build the REL button, useful for relative measurement.
* Emissivity adjustment for IR thermometer.	* Memory function to record the maximum & minimum reading with recall.
* Laser guide for IR thermometer.	* RS 232 data output, easy cooperate with computer.
* Red laser target guide easy for the target identification.	* Optional data acquisition software for data record.
* Microcomputer circuit with high performance.	* Auto power shut off saves battery life.
* Build in °C & °F select button on the front panel.	* Built-in low battery indicator.
	* Heavy duty & compact housing case with stand.
	* Operates from 006P DC 9V battery.

GENERAL SPECIFICATIONS			
Display	51 mm x 32 mm super large LCD display, 15 mm (0.6") digit size.	Distance Factor	D/S ratio : Approx. 7 : 1. * <i>D</i> - Distance, <i>S</i> - Spot
		Over Indication	Show " - - - - ".
Measurement	Infrared thermometer ( Non contact temperature measurement )	Data Output	RS232 PC serial interface.
Functions	°C, °F, Data hold, Memory ( Max., Min. ), Relative measurement, Emissivity adjustment (IR thermometer).	Power Supply	Alkaline or heavy duty type, DC 9V battery, 006P, MN1604 ( PP3 ) or equivalent.
		Power	Approx. DC 11 mA ( laser guide off ).
Circuit	Exclusive microcomputer circuit, the software build in linearity correction instead the traditional hardware circuit.	Consumption	Approx. DC 16 mA ( laser guide on ).
		Operating Temperature	0 to 50 °C (32 to 122 °F).
Emissivity Adjustment	Range : 0.20 to 1.00.	Operating Humidity	Less than 80% RH.
	Adj. by pushing button on front panel.		
Laser Guide	Red laser light, less than 1 mW, Meet EN60825	Weight	220 g/0.48 LB.
Sampling Time	Approx. 1 second.	Dimension	HWD 215 x 68 x 30 mm . ( 8.5 x 2.7 x 1.2 inch ).
Hold Function	To freeze the display reading value.	Standard	Operational manual.....1 PC.
Memory Recall	Memorize the Maximum, Minimum reading with recall.	Accessory	
		Optional	* Carrying case, Model : CA-06, CA-03.
IR Sensor	Thermocouple pie.	Accessories	* RS232 cable, Model : UPCB-02. * Application software, windows version. Model : SW-U801-WIN
Measurement Wave Length Region	6 to 12 micro meter.		

ELECTRICAL SPECIFICATIONS ( 23 ± 5 °C )		
<i>Range</i>	<i>Resolution</i>	<i>Accuracy</i>
- 20 °C to 650 °C	1 °C	- 20 °C to 400 °C : ± 3% of reading or ± 3°C (5°F)
-4 °F to 1202 °F	1 °F	≥ 400 °C ± 3% of reading

OPTIONAL ACCESSORIES	
Carrying Case, CA-06	Model : CA-06, Hard carrying case
Carrying Case, CA-03	Model : CA-03, Vinyl soft carrying case.
RS232 cable, UPCB-02	RS232 cable for connecting between the meter & the computer.
Application Software, SW-U801-WIN	Windows software apply as the performance of data logging system & data recorder...

\* Appearance and specifications listed in this brochure are subject to change without notice.

0202-TM949



LIT Lutron TM-949

HOLD

600.1 °C

IR

POWER HOLD REC. MAX./MIN.

← °C/F ↑

REL. ↓ EMIS-2S LASER 1/0

*Infrared*  
**THERMOMETER**  
Range: -20°C to 650°C