



## 5 Kg FORCE GAUGE, Model : FG-5000A

FEATURES	
* Wide capacity, high resolution, high accuracy, high repeatability.	* Positive or reverse display direction select.
* 3 kind display unit.	* Full line accessories ( adapters ) are included.
* Tension & compression capability .	* Hand held & stand mounting available.
* Peak hold ( Max. load ) can be held in display during make tension or compression measurement.	* Low power consumption gives long battery life.
* Zero button can operate both for normal measuring & the " peak hold " operation.	* Build in low battery indicator.
* Full capacity zero (tare) control capability.	* Microprocessor circuit & exclusive load cell transducer.
* Fast/Slow response time push button.	* Over load protection.
	* RS-232 computer interface ( optional ).
	* Professional test stand ( optional ).

SPECIFICATIONS			
Display	LCD ( Liquid crystal display ). 5 digits, 10 mm ( 0.4" ) digit size.	Full Scale Deflection	Approx. 2.0 mm max.
Display Direction	Positive or Reverse direction, select by the push button on the front panel.	Power Supply	6 x 1.5 V AA (UM-3) size battery or DC 9V adapter (not included).
Function	Tension & Compression (Push & Pull). Normal force, Peak hold ( Max. load )	Power Consumption	Approx. DC 24 mA
Peak hold	Will freeze the display value of the Peak load ( Max. load ).	Transducer	Exclusive load cell.
Zero	Zero button can be operated both for "normal force" or "peak hold" operation.	Operating Temperature	0°C to 50°C ( 32°F to 122°F ).
Measure Capacity	5000 g/176.40 oz/49.03 Newton.	Operating Humidity	Less than 80% RH.
Resolution	1 g/0.05 oz/0.01 Newton.	Dimension	227 x 83 x 39 mm ( 8.9 x 3.3 x 1.5 inch ).
Min. Display	3 g/0.10 oz/0.03 Newton.	Weight	551 g ( 1.2 LB )/with batteries.
Accuracy	±(0.4 % + 1 d), within 23 ± 5°C.	Mounting Holes	Mounting holes are provided on the back case, easy stand mounting.
Unit select	Kg/LB/Newton	Data output	<i>Optional,</i> RS-232 serial computer interface
Update time	Fast      Approx. 0.2 second. Slow      Approx. 0.6 second.	Accessories Included	Operating manual .....1 PC. Flat-head adapter.....1 PC. Hook adapter .....1 PC. Cone head adapter .....1 PC. Chisel head adapter .....1 PC. 120 mm extension rod.....1 PC. Carrying case .....1 PC.
Over range Indicator	Display show " - - - - " when in over range status.		
Overload Capacity	Max. 7 kg.		
Zero/tare Control	Max. full capacity.		
Circuit	Exclusive microprocessor LSI-circuit.	Optional Accessories	Test stand, Model : FS-1001 Wedge grip, Model : WG-01

**OPTIONAL EQUIPMENT & ACCESSORY**

TEST STAND Model : FS-1001	Test stand, cooperate with Force gauge FG-20KG, FG-5000A, whole system will be become the useful tool for material's tension & compression analysis. Size : 630 x 250 x 230 mm. Weight : 7.02 Kg ( 15.4 LB ).
Wedge grip Model : WG-01	Wedge grip, the optional accessory to install to the base of FS-1001 be used to hold the tested material.

**FORCE GAUGE with RS-232 COMPUTER INTERFACE**

FG-5000A-RS232	All the function are same as the FG-5000A but with RS-232 computer interface.
SW-U101-WIN	Software for data logging & data recorder.

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

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