

20 Kg FORCE GAUGE

Model : FG-20KG-RS232

ISO-9001, CE, IEC1010

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20KG wide capacity
high resolution, accuracy & repeatability.
Display unit : gram, Newton & oz.
Tension & compression capability .
Peak hold (Max. load).
Zero button.
Full capacity zero (tare) control.
Fast/Slow response time push button.
Positive or reverse direction select.
Full line accessories (adapters).
Hand held & stand mounted available.
Microprocessor circuit
exclusive load cell transducer.
Over load protection.
RS-232 computer interface
Professional test stand (optional).



FS-1001 Test stand, optional

Lutron

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The Art of Measurement

20KG FORCE GAUGE

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FEATURE

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

ELECTRICAL SPECIFICATIONS (23± 5 °C)

Display	LCD (Liquid crystal display). 5 digits, 10 mm (0.4") digit size.	
Display Direction	Positive or Reverse direction, select by the push button on the front panel.	
Function	Tension & Compression (Push & Pull). Normal force, Peak hold (Max. load)	
Peak hold	Will freeze the display value of the Peak load (Max. load).	
Zero	Zero button can be operated both for "normal force" or "peak hold" operation.	
Measure Capacity	20.00 Kg/44.10 LB/196.10 Newton.	
Resolution	0.01 Kg/0.01 LB/0.05 Newton.	
Min. Display	0.01 Kg/0.01 LB/0.05 Newton.	
Accuracy	± (0.5 % + 2 d), within 23°C ± 5°C.	
Unit select	g/oz/Newton	
Update time	Fast	Approx. 0.2 second.
	Slow	Approx. 0.6 second.
Over range Indicator	Display show " - - - - " when in over range status.	
Overload Capacity	Max. 30 kg.	
Zero/tare Control	Max. full capacity.	
Circuit	Exclusive microprocessor LSI-circuit.	
Full Scale Deflection	Approx. 2.0 mm max.	
Power Supply	6 x 1.5 V AA (UM-3) size battery or DC 9V adapter (not included).	
Power Consumption	Approx. DC 24 mA	
Transducer	Exclusive load cell.	
Operating Temperature	0°C to 50°C (32°F to 122°F).	
Operating Humidity	Less than 80% RH.	
Dimension	227 x 83 x 39 mm (8.9 x 3.3 x 1.5 inch).	
Weight	430 g (0.95 LB)/with batteries.	
Mounting Holes	Mounting holes are provided on the back case, easy stand mounting.	
Data output	RS-232 serial computer interface	
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.
Optional Accessories	Test stand, Model : FS-1001 , Wedge grip, Model : WG-01 Software for data logging & data recorder, Model : SW-U801-WIN RS232 cable available for force gauge.Model : UPCB-04.

OPTIONAL EQUIPMENT & ACCESSORY

Model : FS-1001 TEST STAND

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).

Model : WG-01 Wedge grip

Wedge grip, the optional accessory to install to the base of FS-1001 be used to hold the tested material.

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

FG-20KG-RS232+0604

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Test stand

Model : FS-1001

Optional test stand be connected with FG-5000A, FG-20KG, FG-6005SD, FG-5005, FG-6020SD, FG-5020 whole system will be a useful tool for material's tension and compression analysis.

Size :650 x 250 x 230 mm.



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