

20 Kg FORCE GAUGE

Model : FG-20KG

ISO-9001, CE, IEC1010



FEATURES

- * Tension & compression capability .
- * 20 Kg, wide capacity, high resolution, high accuracy, high repeatability.
- * 3 kind display unit, Kg/LB/Newton.
- * Separate sensor.
- * Peak hold (Max. load) measurement.
- * Zero button can operate both for normal & " peak hold " operation.
- * Full capacity zero (tare) capability.
- * Fast/Slow response time.
- * Positive or reverse display direction.
- * Hand held & stand mounting.
- * Microprocessor circuit & exclusive load cell transducer.
- * Over load protection.



LUTRON ELECTRONIC

The Art of Measurement

20 Kg FORCE GAUGE, Model : FG-20KG

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 12 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	20.00 Kg/44.10 LB/196.10 Newton.	Operating Humidity	Less than 80% RH.
Resolution	0.01 Kg/0.01 LB/0.05 Newton.	Dimension	227 x 83 x 39 mm (8.9 x 3.3 x 1.5 inch).
Min. Display Accuracy	0.01 Kg/0.01 LB/0.05 Newton. ± (0.5 % + 2 d), within 23°C ± 5°C.	Weight	430 g (0.95 LB)/with batteries.
Unit select	Kg/LB/Newton	Mounting Holes	Mounting holes are provided on the back case, easy stand mounting.
Update time	Fast Approx. 0.2 second. Slow Approx. 0.6 second.	Data output	<i>Optional,</i> RS-232 serial computer interface
Over range Indicator	Display show " - - - " when in over range status.	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.
Overload Capacity	Max. 30 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-FG20KG-RS232	All the function are same as the FG-20KG 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.

1711-FG20KG

FORCE GAUGE

Model : FS-1001

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FEATURES

- * Optional; test stand, be connected with FG-5000A, FG-20KG, FG-5000A-232, FG-20KG-232, 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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