

100 Kg, tension & compression

FORCE GAUGE

Model : FG-5100

ISO-9001, CE, IEC1010



FEATURES

- * 100 Kg, Kg/LB/Newton.
- * Tension or Compression, Peak hold, Zero.
- * Positive/ Reverse display.
- * 5 digits LCD with back light.
- * RS-232 computer interface.
- * Optional accessories : USB cable, RS232 cable, Software for data logging and recorder,
- * DC 1.5V battery (UM-3, AA) x 6 or DC 9V adapter in.



LUTRON ELECTRONIC



FORCE GAUGE

Model : FG-5100

FEATURES

* Large LCD display with back light.
* Tension & compression capability .
* 100 Kg, wide capacity, high resolution, high accuracy, high repeatability.
* 3 kind display unit, Kg/LB/Newton.
* Separate sensor.
* 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.
* Over load protection.
* Hand held & stand mounting available.
* Low power consumption gives long battery life.
* Build in low battery indicator.
* Microprocessor circuit & exclusive load cell transducer.
* RS-232 computer interface .
* Power supply built-in DC 9V adapter input socket.

SPECIFICATIONS

Display	LCD (Liquid crystal display). 5 digits, 16 mm (0.63") digit size. Back light.
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
Unit select	Kg/LB/Newton
Measure Capacity	100 Kg/220 LB/980 Newton.
Resolution	0.05 Kg/0.05 LB/0.2 Newton.
Min. Display	0.15 Kg/0.35 LB/1.4 Newton.
Accuracy	\pm (0.5 % + 2 digits), within $23 \pm 5^\circ\text{C}$. * Under the test weight on 100 Kg & 10 Kg.
Data output	RS-232 serial computer interface.

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. 150 kg.
Full Scale Deflection	Less than 1 mm.
Zero/tare Control	Max. full capacity.
Circuit	Exclusive microprocessor LSI-circuit.
Sensor type	S type load cell.
Power Supply	6 x 1.5 V AA (UM-3) size battery or DC 9V adapter (not included).
Power Consumption	Approx. DC 28 mA
Operating Temperature	0°C to 50°C (32°F to 122°F).
Operating Humidity	Less than 80% RH.
Dimension	<i>Main instrument :</i> 215 x 90 x 45 mm (8.5 x 3.5 x 1.8 inch). <i>Sensors with two hooks :</i> 130 x 51 x 18 mm (4.7 x 2.0 x 0.7 inch). <i>Cable length :</i> 2 meters.
Weight	<i>Main instrument :</i> 450 g (0.99 LB). <i>Sensors :</i> 380 g (0.84 LB).
Mounting Holes	Main instrument with mounting holes are provided on the back case, easy stand mounting.
Accessories Included	Operating manual 1 PC. 100 Kg sensor with 2 hooks and 2 meter cable 1 PC. Hard carrying case 1 PC.
Optional Accessories	* RS232 cable, Model : UPCB-01 * USB cable, Model : USB-01 * Software for data logging & data recorder, Model : SW-U801-WIN.