

FORCE GAUGE *100 Kg*

Model : FG-100KG

ISO-9001, CE, IEC1010

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- ✓ Tension & compression capability.
- ✓ 100 Kg, wide capacity,
- ✓ high resolution, high accuracy and 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.
- ✓ Fast/Slow response time select.
- ✓ Positive or reverse display direction select.
- ✓ Hand held & stand mounting available.
- ✓ Low power consumption gives long battery life.
- ✓ Microprocessor circuit & exclusive load cell transducer.
- ✓ Over load protection.

Lutron

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The Art of Measurement

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ELECTRICAL SPECIFICATIONS (23± 5 °C)

| | | |
|-----------------------|--|---------------------|
| Display | LCD (Liquid crystal display). 5 digits, 10 mm (0.4") digit size. | |
| 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 | 0.10 Kg/0.20 LB/1.0 Newton. | |
| Min. Display | Kg/ LB/ Newton. | |
| Accuracy | ± (0.5 % + 2 digits), within 23 ± 5 °C . under the test weight on 100 Kg & 10 Kg. | |
| 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. | |
| Sensor Deflection | full Scale Approx. 1 mm max. | |
| 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 24 mA | |
| Operating Temperature | 0 to 50 °C (32 to 122 °F). | |
| Operating Humidity | Less than 80% RH. | |
| Dimension | <i>Main instrument</i> : 227 x 83 x 39 mm (8.9 x 3.3 x 1.5 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. Sensor with 2 hooks and 2 meter cable. 1 PC. Carrying case 1 PC. | |

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

FG-100KG+0408

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