

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

LUTRON ELECTRONIC

NDTKALA.CO
Non-Destructive Test (NDT) Equipment
تأمین تجهیزات و مواد مصرفی تست های غیر مخرب ایران
۰۲۱-۷۱۰۵۳۸۸۸ ۰۹۱۲۰۲۴۶۲۷۰

100 Kg x 0.05 Kg, Kg/LB/Newton, RS232

FORCE GAUGE

Model : FG-5100

FEATURES

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| * 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. |
| * Seperate 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

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|-------------------|-----------------------------------------------------------------------------------------|
| 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 | ± (0.5 % + 2 digits), within 23± 5°C . * Under the test weight on 100 Kg & 10 Kg. |
| Data output | RS-232 serial computer interface. |

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|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |

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

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