

*20 Kg, tension & compression*

# FORCE GAUGE

**Model : FG-5020**

*ISO-9001, CE, IEC1010*



## FEATURES

- \* 20 Kg, Kg/LB/Newton.
- \* Tension or Compression, Peak hold, Zero.
- \* Positive/ Reverse display.
- \* 5 digits LCD with back light.
- \* RS-232 computer interface.
- \* Full line accessories, optional test stand.
- \* DC 1.5V battery ( UM-3, AA ) x 6 or DC 9V adapter in.



**Lutron**

**LUTRON ELECTRONIC**

*The Art of Measurement*

20 Kg x 0.01 Kg, Kg/LB/Newton, RS232

# FORCE GAUGE

Model : FG-5020

## FEATURES

|  |
|--|
| * Large LCD display with back light.   |
| * 20 Kg, wide capacity, high resolution, high accuracy, high repeatability.                      |
| * 3 kind display unit : g, oz, Newton.   |
| * 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 mounted gauges are 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.   |
| * Built-in DC 9V power adapter input socket.   |
| * Professional test stand ( optional ).  |

|                       |   |
|-----------------------|---|
| Update time           | Fast Approx. 0.2 second.<br>Slow Approx. 0.6 second.  |
| Over range Indicator  | Display show " - - - - " when in over range status.   |
| Data output           | RS-232 serial computer interface.   |
| Overload Capacity     | Max. 30 kg.   |
| Full Scale Deflection | Approx. 0.4 mm max.   |
| Zero/tare Control     | Max. full capacity.   |
| Circuit               | Exclusive microprocessor LSI-circuit.   |
| Power Supply          | 6 x 1.5 V AA (UM-3) size battery or DC 9V adapter (not included).   |
| Power Consumption     | Approx. DC 28 mA  |
| Transducer            | Exclusive load cell.  |
| Operating Temperature | 0°C to 50°C ( 32°F to 122°F ).  |
| Operating Humidity    | Less than 80% RH.   |
| Dimension             | 215 x 90 x 45 mm ( 8.5 x 3.5 x 1.8 inch ).  |
| Weight                | 650 g ( 1.43 LB )/with batteries.   |
| Mounting Holes        | Main instrument with mounting holes are provided on the back case, easy stand mounting.   |
| Accessories Included  | Operating manual ..... 1 PC.<br>Flat-head adapter.....1 PC.<br>Hook adapter .....1 PC.<br>Cone head adapter .....1 PC.<br>Chisel head adapter ..... 1 PC.<br>120 mm extension rod.....1 PC.<br>Carrying case .....1 PC. |
| Optional Accessories  | * Test stand, Model : FS-1001<br>* Wedge grip, Model : WG-01<br>* RS232 cable, Model : UPCB-01<br>* USB cable, Model : USB-01<br>* Software for data logging & data recorder.<br>Model : SW-U801-WIN.                   |

## SPECIFICATIONS

|                   |   |
|-------------------|---|
| Display           | LCD ( Liquid crystal display ).<br>5 digits, 16 mm ( 0.63" ) digit size.<br>Back light. |
| Display Direction | Positive or Reverse direction, select by the push button on the front panel.            |
| Function          | Tension & Compression (Push & Pull).<br>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       | g/oz/Newton   |
| Measure Capacity  | 20.00 Kg/44.10 LB/196.10 Newton.  |
| Resolution        | 0.01 Kg/0.01 LB/0.05Newton.   |
| Min. Display      | 0.02 Kg/0.07 LB/0.3 Newton,   |
| Accuracy          | ± (0.5 % + 2 digits), within 23± 5°C.<br>* Under the test weight on 10 Kg & 20 Kg.      |

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

0601-FG5020

# FORCE GAUGE

Model : FS-1001

ISO-9001, CE, IEC1010



## 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.



**Lutron**

**LUTRON ELECTRONIC**

***The Art of Measurement***