

*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.



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*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 ).

## 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	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. * Under the test weight on 10 Kg & 20 Kg.

Update time	Fast    Approx. 0.2 second. 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. 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.
Optional Accessories	* Test stand, Model : FS-1001 * Wedge grip, Model : WG-01 * 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.

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.



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