

20 Kg, tension & compression

FORCE GAUGE

Model : FG-5020

ISO-9001, CE, IEC1010

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



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The Art of Measurement

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FEATURE

- * 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).

ELECTRICAL SPECIFICATIONS (23± 5 °C)

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.

FG-5020+0601

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Test stand

Model : FS-1001

Optional test stand be connected with FG-5000A, FG-20KG, FG-6005SD, FG-5005 FG-6020SD, FG-5020 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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