

Force Gauge

Part No. 01FG20KG

Back to [Force Gauge Model FG20KG](#) Main Page

FEATURES

- Wide capacity, high resolution, high accuracy, high repeatability
- 3 kind display unit.
- 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 mount available.
- Low power consumption gives battery long life.
- Build in low battery indicator.
- Microprocessor circuit & exclusive load cell transducer.
- Over load protection,
- RS-232 computer interface (*optional*)
- Professional test stand (*optional*)



SPECIFICATIONS

Display:	LCD (Liquid crystal display). 5 digits, 10 mm (0.4") digit size.	Full Scale Deflection:	Approx. 2.0 mm max.
Display Direction:	Positive or Reverse direction, select by the push button on the front panel.	Power Supply:	6 x 1.5 V AA (UM-3) size battery or DC 9V adapter (<i>not included</i>).
Function:	Tension & Compression (Push & Pull). Normal force, Peak hold (Max. load).	Power Consumption:	Approx. DC 24 mA
Peak hold:	Will freeze the display value of the Peak load (Max. load).	Transducer:	Exclusive load cell.
Zero:	Zero button can be operated both for "normal force" or "peak hold" operation.	Operating Temperature:	0°C to 50°C (32°F to 122°F).
Measure Capacity:	20.00 Kg/44.10 LB/196.10 Newton.	Operating Humidity:	Less than 80% RH.
Resolution:	0.01 Kg/0.01 LB/0.05 Newton.	Dimension:	227 x 83 x 39 m.m (8.9 x 3.3 x 1.5 inch).
Min. Display:	0.01 Kg/0.01 LB/0.05 Newton.	Weight:	551 g (1.2 LB) / with batteries.
Accuracy:	± (0.5 % + 2 d), within 23°C ± 5°C.	Mounting Holes:	Mounting holes are provided on the back case, easy stand mounting.
Unit select:	Kg/LB/Newton	Data Output:	<i>Optional</i> , RS - 232 serial computer interface
Update time:	<i>Fast</i> Approx. 0.2 second. <i>Slow</i> Approx. 0.6 second.	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.
Over range Indicator:	Display show " - - - " when in over range status.	Optional Accessories:	Test Stand, <i>Model: FS-1001</i> Wedge Grip, <i>Model: WG-01</i>
Overload Capacity:	Max. 30 kg.		
Zero/tare Control:	Max. full capacity.		
Circuit:	Exclusive microprocessor LSI-circuit.		

OPTIONAL EQUIPMENT & ACCESSORY

TEST STAND
Model: FS-1001 Test stand, cooperate with Force gauge FG-20KG, FG-5000A, whole system will be become the useful tool for material's tension & compression analysis.
Size: 630 x 250 x 230mm. Weight: 7.02Kg (15.4LB)

WEDGE GRIP
Model: WG-01 Wedge grip, the optional accessory to install to the base of FS-1001 be used to hold the tested material.