

20 Kg FORCE GAUGE

Model : FG-20KG

ISO-9001, CE, IEC1010



FEATURES

- * Tension & compression capability .
- * 20 Kg, wide capacity, high resolution, high accuracy, high repeatability.
- * 3 kind display unit, Kg/LB/Newton.
- * Separate sensor.
- * Peak hold (Max. load) measurement.
- * Zero button can operate both for normal & " peak hold " operation.
- * Full capacity zero (tare) capability.
- * Fast/Slow response time.
- * Positive or reverse display direction.
- * Hand held & stand mounting.
- * Microprocessor circuit & exclusive load cell transducer.
- * Over load protection.



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20 Kg FORCE GAUGE, Model : FG-20KG

| FEATURES | |
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| * Wide capacity, high resolution, high accuracy, high repeatability. | * Positive or reverse display direction select. |
| * 3 kind display unit. | * Full line accessories (adapters) are included. |
| * Tension & compression capability . | * Hand held & stand mounting available. |
| * Peak hold (Max. load) can be held in display during make tension or compression measurement. | * Low power consumption gives long battery life. |
| * Zero button can operate both for normal measuring & the " peak hold " operation. | * Build in low battery indicator. |
| * Full capacity zero (tare) control capability. | * Microprocessor circuit & exclusive load cell transducer. |
| * Fast/Slow response time push button. | * 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 (not included). |
| 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 mm (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 | Fast Approx. 0.2 second. Slow 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. | | |
| Overload Capacity | Max. 30 kg. | | |
| Zero/tare Control | Max. full capacity. | | |
| Circuit | Exclusive microprocessor LSI-circuit. | Optional Accessories | Test stand, Model : FS-1001 Wedge grip, Model : WG-01 |

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 230 mm. Weight : 7.02 Kg (15.4 LB). |
| 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. |

FORCE GAUGE with RS-232 COMPUTER INTERFACE

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| FG-FG20KG-RS232 | All the function are same as the FG-20KG but with RS-232 computer interface. |
| SW-U101-WIN | Software for data logging & data recorder. |

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

0408-FG20KG



FORCE GAUGE

Model : FS-1001

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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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