

RS232 computer interface

5000 g FORCE GAUGE

Model : FG-5000A-232

ISO-9001, CE, IEC1010



FEATURES

- * Tension & compression capability .
- * 5000 g, wide capacity, high resolution, high accuracy, high repeatability.
- * 3 kind display unit, g/oz/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.
- * RS-232 computer interface.



Lutron

LUTRON ELECTRONIC

The Art of Measurement

With RS232 computer interface

5000 g FORCE GAUGE

Model : FG-5000A-232

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. |
| | * Professional test stand (optional). |

SPECIFICATIONS

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| Display | LCD (Liquid crystal display). 5 digits, 10 mm (0.4") digit size. | Power Supply | 6 x 1.5 V AA (UM-3) size battery or DC 9V adapter (not included). |
| Display Direction | Positive or Reverse direction, select by the push button on the front panel. | Power Consumption | Approx. DC 24 mA |
| Function | Tension & Compression (Push & Pull). Normal force, Peak hold (Max. load). | Transducer | Exclusive load cell. |
| Peak hold | Will freeze the display value of the Peak load (Max. load). | Operating Temperature | 0°C to 50°C (32°F to 122°F). |
| Zero | Zero button can be operated both for "normal force" or "peak hold" operation | Operating Humidity | Less than 80% RH. |
| Measure Capacity | 5000 g/176.40 oz/49.03 Newton. | Dimension | 227 x 83 x 39 mm (8.9 x 3.3 x 1.5 inch). |
| Resolution | 1 g/0.05 oz/0.01 Newton. | Weight | 551 g (1.2 LB)/with batteries. |
| Min. Display | 3 g/0.10 oz/0.03 Newton. | Mounting Holes | Mounting holes are provided on the back case, easy stand mounting. |
| Accuracy | ± (0.4 % + 1 d), within 23± 5°C. | Data output | RS-232 serial computer interface |
| Unit select | g/oz/Newton | Accessories Included | Operating manual 1 PC. Flat-head adapter.....1 PC. Hook adapter1 PC. Cone head adapter1 PC. Chisel head adapter1 PC. 120 mm extension rod.....1 PC. Carrying case1 PC. |
| Update time | Fast Approx. 0.2 second. Slow Approx. 0.6 second. | Optional Accessories | * Test stand, Model : FS-1001 * Wedge grip, Model : WG-01 * Software for data logging & data recorder, Model : SW-U801-WIN * RS232 cable available for force gauge. Model : UPCB-04. |
| 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. | | |
| Full Scale Deflection | Approx. 0.4 mm max. | | |

OPTIONAL EQUIPMENT & ACCESSORY

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| 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. |
| SW-U801-WIN | Software for data logging & data recorder. |
| UPCB-04 | RS232 cable (Double femal D9 RS232 cable) available for FG-20KG-232 or FG-5000A-232. |

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

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