

5,000 g, tension & compression

# FORCE GAUGE

Model : FG-5005

ISO-9001, CE, IEC1010

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- ✓ 5,000 g
- ✓ g/oz/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.
5,000 g, 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	5,000 g/176.40 oz/49.03 Newton.
Resolution	1 g/0.05 oz/0.01 Newton.
Min. Display	3 g/0.10 oz/0.03 Newton.
Accuracy	± ( 0.4 % + 1 digit ), within 23± 5°C . * Under the test weight on 3000 g & 5000 g.
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. 7 kg.
Full Scale Deflection	Approx. 0.2 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-5005+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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