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Series 4

Advanced Digital Force Gauges

Series 4 digital force gauges are designed for tension and compression force testing in numerous applications across virtually every industry, with capacities from 0.12 lb to 500 lb (0.5 N to 2500 N). The gauges feature a sampling rate of 3,000 Hz, producing accurate results under a wide range of test conditions. Accuracy is $\pm 0.2\%$ of full scale, and resolution is 1/2000. A large, backlit graphics LCD displays large, legible characters, while the simple menu navigation allows for quick access to the gauges' many features and configurable parameters. Data can be transferred to a PC or other data collector via USB, RS-232, Mitutoyo (Digimatic), or analog outputs.

On-board data memory for up to 50 readings is included, as are statistical calculations and output to a PC. Integrated set points with indicators are ideal for

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overload protected to 200% of capacity, and an analog load bar is shown on the display for graphical representation of applied force.

An ergonomic, reversible aluminum design allows for hand held use or test stand mounting for more sophisticated testing requirements. Series 4 digital force gauges are directly compatible with Mark-10 test stands, grips, and software. The force gauges are directly compatible with Mark-10 test stands, grips, and software.

The gauges include MESUR[®] Lite data acquisition software. MESUR[®] Lite tabulates continuous or single point data. One-click export to Excel allows for further data manipulation.

 **Have a Question?**

[Features](#)[Specifications](#)[Capacity x Resolution](#)[Display Indicators](#)[Reversible Housing](#)[In The Box](#)[Optional Equipment](#)[Included Accessories](#)[Dimensions](#)[Downloads](#)



- High-speed 3,000 Hz sampling rate
- USB, RS-232, Mitutoyo, and analog outputs
- Large backlit graphic display
- 50-point data memory with statistics (min, max, mean, standard deviation) and outputs
- Live load bar graph with set point markers
- Programmable set points, with alarms and outputs
- Peak readings and set points always displayed
- 5 selectable units of measurement
- Configurable audio alarms and key tones
- Password protection, configurable for individual keys and calibration

Ordering Information

Model	Description	US Price
M4-012	Force gauge, 0.12 lbF / 2 ozF / 50 gF / 0.5 N / 500 mN	\$995.00
M4-025	Force gauge, 0.25 lbF / 4 ozF / 100 gF / 1 N / 1000 mN	\$995.00
M4-05	Force gauge, 0.5 lbF / 8 ozF / 250 gF / 2.5 N / 2500 mN	\$995.00
M4-10	Force gauge, 1 lbF / 16 ozF / 500 gF / 5 N / 5000 mN	\$1495.00



M4-10	Force gauge, 10 lbF / 160 ozF / 5 kgF / 5000 gF / 50 N	\$845.00
M4-20	Force gauge, 20 lbF / 320 ozF / 10 kgF / 10000 gF / 100 N	\$845.00
M4-50	Force gauge, 50 lbF / 800 ozF / 25 kgF / 25000 gF / 250 N	\$845.00
M4-100	Force gauge, 100 lbF / 1600 ozF / 50 kgF / 50000 gF / 500 N	\$845.00
M4-200	Force gauge, 200 lbF / 3200 ozF / 100 kgF / 1000 N / 1 kN	\$995.00
M4-500	Force gauge, 500 lbF / 8000 ozF / 250 kgF / 2500 N / 2.5 kN	\$995.00

Additional Items to Consider

15-1004	MESUR [®] gauge software	\$495.00
09-1163	Cable, Series 4 to RS-232	\$75.00
09-1165	Spare USB cable	\$30.00
08-1026	Spare rechargeable battery	\$20.00
AC1030	Spare AC adapter, 110V	\$40.00
AC1031	Spare AC adapter, 220V EUR	\$40.00
AC1032	Spare AC adapter, 220V UK	\$40.00
AC1035	Spare AC adapter, 220V AUS	\$40.00
AC1052	Mounting plate kit	\$50.00

All models include 110V AC adapters. Add suffix 'E' for euro plug (220V), 'U' for UK plug (220V), or 'A' for Australian plug (220V).

Example: M4-50E, M4-200U, M4-500A



Related Products

Models ES10 & ES20
Manual Test Stands

Model ES30
Manual Test Stand

MESUR[®] gauge / MESUR[®] gauge Plus
Load & Travel Analysis
Software

Mark-10 Gauge Mounting Kits
AC1052, AC1058

Force Hand
AC1002
AC1003





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