

SERIES 4/5 - DIGITAL FORCE GAUGES

The Series 4 and 5 Digital Force Gauges are designed for tension and compression force testing in a wide variety of industry applications. Both gauges are available in working force ranges from of 0.12 to 500 pounds (0.5 to 2500 N). The Series 4 gauge features a sampling rate of 3,000 Hz, with resolution of 1/2000 of a unit, and an on-board memory for up to 50 readings. The Series 5 gauge has a sample frequency of 7,000 Hz (resolution of 1/5000 unit) and on-board memory for up to 1,000 readings. Both gauges feature a large, backlit LCD screen for easy reading and sample menus that are user friendly, allowing easy configuration for any test situation. The gauges may be either handheld or test stand mounted, and allow data transfer to a PC by means of several different cable configurations (digital and analog). When connected to a computer, the on-board software allows one-click export of bulk data into an Excel spreadsheet.

SPECIFICATIONS

LOAD RANGE:	0.12 to 500 lb (0.5 to 2500 N)
ACCURACY:	±0.2% of full scale ±one digit (M4) ±0.1% of full scale ±one digit (M5)
SAMPLE RATE:	3,000 Hz (Series 4 Gauge), 7,000 Hz (Series 5 Gauge)
MEASUREMENT UNITS:	5 to 7 different units, depending on model
POWER:	AC or rechargeable battery
BATTERY LIFE:	Backlight on: up to 7 hours continuous use Backlight off: up to 24 hours continuous use
OUTPUTS:	USB/RS-232, Mitutoyo (Digimatic) Analog: +/- 1 VDC, +/- 0.25% of full scale at capacity 3 open drain general purpose outputs 3 open drain set point outputs
SAFE OVERLOADS:	150% of full scale; display shows limit being approached
CONFIGURABLE SETTINGS:	Many settings to customize gauge parameters and controls
WEIGHT:	1.0 to 1.2 lb, depending on model and options
WARRANTY:	Three years
INCLUDED:	Carrying case with chisel, cone, V-groove, hook, flat, extension rod, AC adapter, battery, USB cable, software, certificate of calibration, user manual

STANDARD FEATURES

- Standard and high-speed sample rates (3 kHz, 7kHz)
- A wide range of force capacities available
- Multiple output interfaces for data transfer (USB, RS-232, Mitutoyo, analog)
- Automatic data output
- Averaging mode, external trigger mode
- Programmable audio alarms and key tones
- Large backlit graphic display
- On-board memory for storing test measurements
- Live load bar graph with set point markers
- Programmable set points
- Five selectable units of measurement
- Peak readings and set points always displayed
- Available in many different force ranges
- Password protection

ALL M4 AND M5 SERIES GAUGES INCLUDE THE FOLLOWING ACCESSORIES:

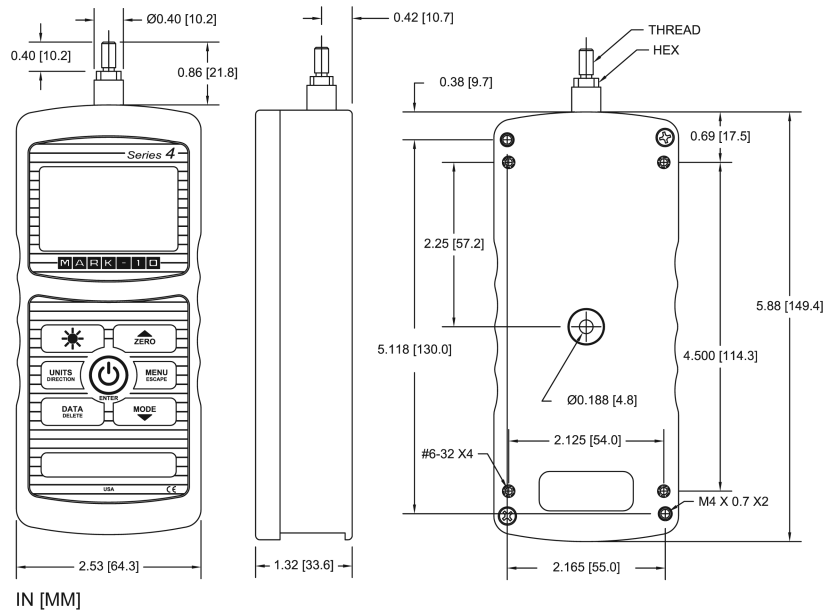
- Carrying case
- Chisel, cone, V-groove, hook, flat, extension rod
- AC adapter and battery
- Quick-start guide
- USB cable and resource CD (USB driver, software demo, user's guide)
- NIST-traceable certificate of calibration with data

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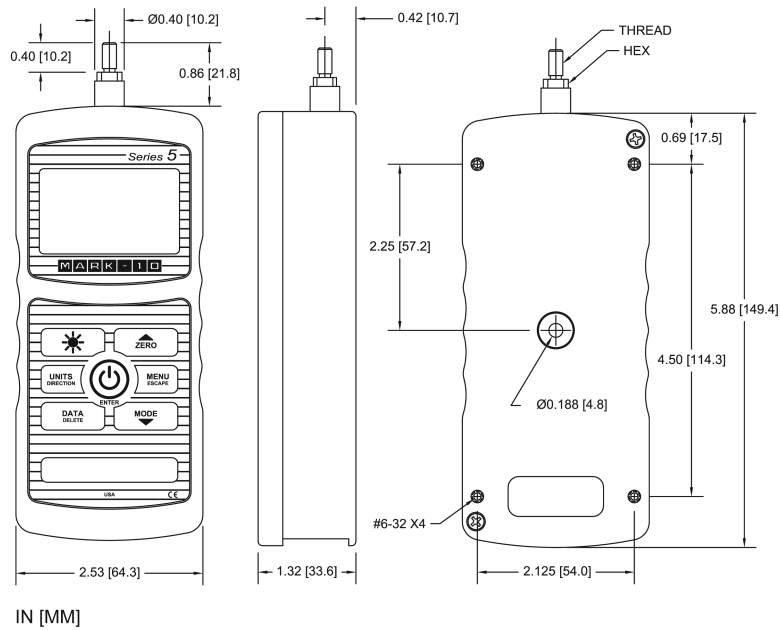


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Series 4



Series 5



M4 SERIES GAUGE

Model	Capacity (lbF)	Resolution (lbF): Series 4
M4-012	0.12	0.00005
M4-025	0.25	0.0001
M4-05	0.5	0.0002
M4-2	2	0.001
M4-5	5	0.002
M4-10	10	0.005
M4-20	20	0.01
M4-50	50	0.02
M4-100	100	0.05
M4-200	200	0.1
M4-500	500	0.2

M5 SERIES GAUGE

Model	Capacity (lbF)	Resolution (lbF): Series 5
M5-012	0.12	0.00002
M5-025	0.25	0.00005
M5-05	0.5	0.0001
M5-2	2	0.0005
M5-5	5	0.001
M5-10	10	0.002
M5-20	20	0.005
M5-50	50	0.01
M5-100	100	0.02
M5-200	200	0.05
M5-500	500	0.1