Mark 10 M4-025 Series 4 Force Gauge, 0.25 x 0.0001 lb



Series 4 advanced 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).





Manufature: Mark 10 SKU: M4-025 Weight: 1.00 lb Free Ground Shipping within the 48 continental US States

Please Call (800)832-0055

Features

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 ±0.2% of full scale ±1 digit, 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 data collectors via USB, RS-232, Mitutoyo (Digimatic), or analog outputs.

On-board data memory for up to 50 readings is included, as are statistical calculations with output to a PC. Integrated set points with indicators and outputs are ideal for pass-fail testing and for triggering external devices such as an alarm, relay, or test stand. The gauges are overload protected to 150% 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.

Series 4 gauges include MESUR Lite data acquisition software. MESUR Lite tabulates continuous or single point data from Series 5 and 4 gauges. Data saved in the gauge's memory can also be

downloaded in bulk. One-click export to Excel easily allows for further data manipulation.

- 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

Specifications

settings

Safe overload

Weight

(gauge only)

Model	M4-012	M4-025	M4-05	M4-2	M4-5	M4-10	M4-20	M4-50	M4-100	M4-200	M4-500
Capacity X	0.12 x	0.25 x	0.5 x	2 x	5 x	10 x	20 x	50 x	100 x	200 x	500 x
Resolution Ib	_				•	0.005	0.01	0.02	0.05	0.1	0.2
Capacity X	2 x	4 x	8 x	32 x	80 x	160 x	320 x	800 x	1600 x	3200 x	8000 x
Resolution oz	0.001	0.002	0.005	0.02	0.05	0.1	0.2	0.5	1	2	5
Capacity X				1 x	2.5 x	5 x	10 x	25 x	50 x	100 x	250 x
Resolution kg	-	-	-	0.0005	0.001	0.002	0.005	0.01	0.02	0.05	0.1
Capacity X	50 x	100 x	250 x	1000	2500	5000	10000	25000	50000		
Resolution g	0.02	0.05	0.2	x 0.5	x 1	x 2	x 5	x 10	x 20	_	_
Capacity X	0.5 x	1 x	2.5 x	10 x	25 x	50 x	100 x	250 x	500 x	1000 x	2500 x
Resolution N	0.0002	0.0005	0.002	0.005	0.01	0.02	0.05	0.1	0.2	0.5	1
Capacity X	_	_	_	_	_	_	_	_	_	1 x	2.5 x
Resolution kN										0.0005	0.001
Capacity X	500 x	1000 x	2500								
Resolution	0.2	0.5	x 1	-	-	-	-	-	-	-	-
mN											
Accuracy	±0.2% of full scale ±1 digit AC or rechargeable battery. Multi-step low battery indicator is displayed, gauge										
Power	AC or	recharg		,		•	,			olayed, g	auge
shuts off automatically when power is too low Backlight on: up to 7 hours of continuous use											
Battery life				_							
Backlight off: up to 24 hours of continuous					us use						
Measurement units			lb, oz	<u>z</u> , g, kg,	N, kN	, mN (d	lependi	ng on m	nodel)		
			USB /	RS-232	: Conf	figurabl	e un to	115.20	0 baud		
	USB / RS-232: Configurable up to 115,200 baud Mitutoyo (Digimatic): Serial BCD suitable for all Mitutoyo SPC-compatible devices.										
Outputs	·····tato y	o (=.g	•					-			
Outputs Analog: ±1 VCD, ±0.25% of full scale at capacity General purpose: Three open drain outputs, one input Set points: Three open drain lines.											
Configurable	Digital filters, outputs, automatic shutoff, default settings, key tones, audio alarms,										

calibration

150% of full scale (display shows "OVER" at 110% and above)

1.2 lb [0.54 kg]

1.0 lb [0.45 kg]

Included items	Carrying case, chisel, cone, V-groove, hook, flat, extension rod, universal voltage AC adapter, battery, quick-start guide, USB cable, resource CD (USB driver, MESUR Lite software, MESURgauge DEMO software, and users guide), NIST-traceable certificate of calibration with data								
Warranty	3 years (see individual statement for further details)								
Model	M4-012 M4-025 M4-05	M4-2 M4-5 M4-10 I	M4-20 M4-50 M4-100 N	I4-200 M4-500					
Included Extension Rods		G1024		G1031					
Included Cone		G1026		G1033					
Included Chisel		G1025		G1032					
Included V-Groove		G1027		G1034					
Included Flat		G1029		G1036					
Included Hook	G	1028	G1038	G1035					
Included Coupling		-	G1039	G1037					

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Contact US

718-336-5900

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About Us

Phone: <u>(800)832-0055</u> or <u>(718)336-5900</u> Chat with us via <u>WhatsApp Chat</u> Address: 4802 Glenwood Rd. Brooklyn, NY 11234

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