



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).





Capacity x Readability 5 lb x 0.002 lb

Manufature: Mark 10 SKU: M4-5 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

(gauge only)

Model M4-012 M4-025 M4-05 M4-2 M4-10 M4-20 M4-50 M4-100 M4-200 M4-50 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 0.00005 0.0001 0.0002 0.001 0.002 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 2 x 100 x 250 x 1000 2500 5000 10000 2500 5000 0.01 0.02 0.05 0.1 Capacity X 50 x 100 x 250 x 100 x 250 x 500 x 100 x 250 x 500 x 100 x </th <th></th>												
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Capacity X 500 x 1000 x 2500	•	500 x	1000 x	2500								
Resolution 0.2 0.5 x 1					-	-	-	-	-	-	-	-
mN 0.2 0.0 A 1						-01			,			
Accuracy ±0.2% of full scale ±1 digit	Accuracy								•			
Power AC or rechargeable battery. Multi-step low battery indicator is displayed, gauge shuts off automatically when power is too low	Power	AC or	recharg		•		-	•		-	olayed, g	auge
Backlight on up to 7 hours of continuous use												
Battery life Backlight off: up to 24 hours of continuous use												
Measurement	Measurement				•	-						
units lb, oz, g, kg, N, kN, mN (depending on model)				lb, oz	z, g, kg,	N, kN	, mN (d	lependi	ng on m	nodel)		
USB / RS-232: Configurable up to 115,200 baud				USB /	RS-232	2: Conf	figurabl	e up to	115,20	0 baud		
Mitutoyo (Digimatic): Serial BCD suitable for all Mitutoyo SPC-compatible devices.		Mitutoy	o (Digin				•	-			npatible o	devices.
Outputs Analog: ±1 VCD, ±0.25% of full scale at capacity	Outputs	•	` •	Analog	g: ±1 V	CD, ±0	.25% c	of full sc	ale at c	apacity	•	
General purpose: Three open drain outputs, one input	-		G	eneral p	ourpos	e: Thre	e oper	n drain d	outputs,	one inp	ut	
Set points: Three open drain lines.												
Configurable Digital filters, outputs, automatic shutoff, default settings, key tones, audio alarms,	Configurable	Digital	filters, ou	itputs, a	utomat	ic shut	off, def	ault set	tings, ke	ey tones	, audio a	alarms,
settings calibration	settings	·										
Safe overload 150% of full scale (display shows "OVER" at 110% and above)	Safe overload		150%	of full s	scale (d	isplay	shows	"OVER	' at 110	% and a	bove)	
Weight 1.0 lb [0.45 kg] 1.2 lb [0.54 kg]	Weight				1 N Ih	[0 45	kal				1 2 lh [/) 54 kal

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

Returns

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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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