

MARK-10

M4

- TENSION & COMPRESSION
- CAPACITY: 500 lbf / 250 kgf / 2500 N
- USB / RS232 / ANALOG / MITUTOYO
- MESURLITE DATA SOFTWARE
- 50 DATA POINT MEMORY
- STATISTICAL ANALYSIS
- ACCURACY: ± 0.2% of Full Scale



M4
Digital Force Gauge

Made in America, the M4 Digital Force Gauge is similar to the full featured Mark-10 M5 Digital Force Gauge, but with selected features required for basic hand-held force measurement or limited force test stand use.

FEATURES

- Large graphic liquid crystal display of:
 - Primary force reading - 6 digit
 - Peak force readings - maximum tension & compression
 - Set point force - programmed high & low settings
 - Load bar - visual analog indicator of applied force
- Complete computer interface outputs - USB/RS232/Analog/Mitutoyo.
- High speed USB & RS232 to 115, 200 baud.
- MESURLite data collection software and USB cable included.
- 50 data point storage in memory with output to PC.
- Statistical analysis - minimum, maximum, mean & standard deviation.
- Programmable set points for force test stand control.
- 3000 Hz peak sampling of rapid occurring events.
- Analog ± 1 Vdc output for instantaneous control of external devices.

CONSTRUCTION

- Large backlit 6 digit graphic display.
- American standard load shaft and mounting threads.
- Reversible load shaft—up or down—maintains upright keyboard.
- 150% of capacity overload protection.

POWER REQUIREMENTS

- Continuous operation with 110 or 220 Vac power adapter.
- Rechargeable NiMH battery for up to 30 hours continuous use.

ACCURACY

- Accurate to ± 0.2% of full scale ± 1 least significant digit.

WEIGHT & DIMENSIONS

- 1 lb. [0.5 kg] • 6" [152 mm] H x 2.5" [64 mm] W x 1.3" [33 mm] D

MODEL	PRICE	CAPACITY/GRADUATION					
M4-012	\$995	0.12 x 0.00005 lbf	2 x 0.001 ozf	50 x 0.02 gf	0.5 x 0.0002 N	—	500 x 0.2 mN
M4-025	995	0.25 x 0.0001 lbf	4 x 0.002 ozf	100 x 0.05 gf	1 x 0.0005 N	—	1000 x 0.5 mN
M4-05	995	0.5 x 0.0002 lbf	8 x 0.005 ozf	250 x 0.1 gf	2.5 x 0.001 N	—	2500 x 1 mN
M4-2	845	2 x 0.001 lbf	32 x 0.02 ozf	1 x 0.0005 kgf	10 x 0.005 N	—	—
M4-5	845	5 x 0.002 lbf	80 x 0.05 ozf	2.5 x 0.001 kgf	25 x 0.01 N	—	—
M4-10	845	10 x 0.005 lbf	160 x 0.1 ozf	5 x 0.002 kgf	50 x 0.02 N	—	—
M4-20	845	20 x 0.01 lbf	320 x 0.2 ozf	10 x 0.005 kgf	100 x 0.05 N	—	—
M4-50	845	50 x 0.02 lbf	800 x 0.5 ozf	25 x 0.01 kgf	250 x 0.1 N	—	—
M4-100	845	100 x 0.05 lbf	1600 x 1 ozf	50 x 0.02 kgf	500 x 0.2 N	—	—
M4-200	995	200 x 0.1 lbf	3200 x 2 ozf	100 x 0.05 kgf	1000 x 0.5 N	1 x 0.0005 kN	—
M4-500	995	500 x 0.2 lbf	8000 x 5 ozf	250 x 0.1 kgf	2500 x 1 N	2.5 x 0.001 kN	—

MODEL	CABLES	PRICE	MODEL	FORCE TESTING SOFTWARE	PRICE
09-1162	Cable, Multi-Function, M4 to Test Stand Controller	\$125	15-1004	MESURgauge Force Testing Software	\$495*
09-1163	Cable, RS232, M4 to PC	75	* Feature rich force testing software - force vs. distance analysis.		
09-1164	Cable, Mitutoyo, M4 to SPC Printer	75	NOTE: 1) MESURgauge DEMO download available at: www.mark-10.com		
09-1165	Cable, USB, M4 to PC	30*	2) MESURLite download available at: www.mark-10.com		
09-1166	Cable, Analog, M4 to Application	75			

* M4 includes USB cable, driver & MESURLite data software on CD.

Prices and specifications are subject to change without notice.

CALL US TOLL FREE 800-345-4188

