The Series EG is an ideal instrument for compression and tension applications requiring accuracy and flexibility up to 500 lbF. Features include selectable units of measurement, automatic peak memory, simple pushbutton calibration, programmable automatic shutoff, initial status of units and mode of operation, permanent configuration memory, and optional outputs (RS-232, Mitutoyo, and analog). Reversible aluminum housing allows for hand-held use or test stand mounting.

Specifications

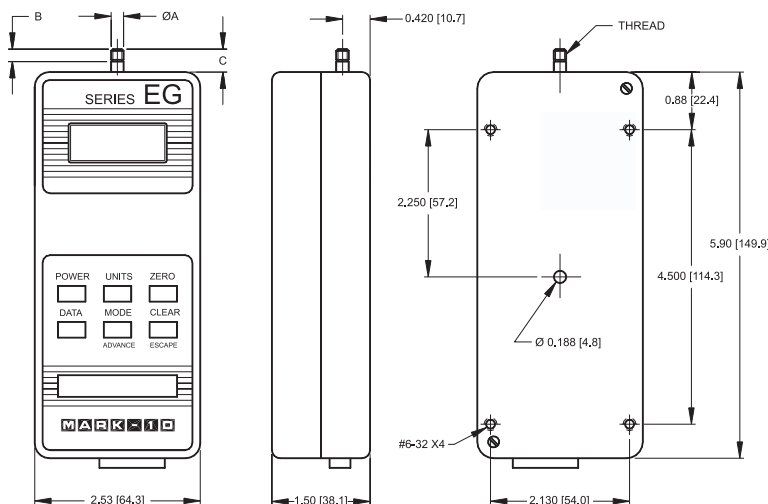|	
Accuracy:	±0.3% of full scale ±1 digit
Power:	AC or rechargeable battery with Intelligent Power Management System (IPM). IPM warns the user via a "LO BAT" indicator and then will power off the gauge
Battery life:	8-10 hours of continuous use
Selectable units of measurement:	lbF, N, kg/g (depending on model)
Outputs:	Optional
RS-232	Fully configurable up to 9600 baud
Mitutoyo (Digimatic)	Serial BCD suitable for all Mitutoyo SPC-compatible devices
Analog	±1 VDC, ±0.25% of full scale at capacity. + for compression, - for tension.
Configurable settings:	RS-232, Mitutoyo BCD, automatic shutoff, initial (default), calibration
Load cell deflection (at full scale):	See Ordering Information
Safe overload:	150% of full scale (display shows "----" at 110% and above)
Weight (gauge only):	EG012 - EG200: 0.95 lb [0.4 kg], EG500: 1.12 lb [0.5 kg]
Environmental requirements:	40°F - 100°F [5°C - 45°C], <96% humidity (non-condensating)
Thermal effects:	Zero: 0.03% of full scale/°C, Span: 0.01% of full scale/°C
Housing construction:	Aluminum
Included accessories:	Hook, flat

Features

Data outputs	Optional RS-232, Mitutoyo (Digimatic), and analog outputs.
Push-button calibration	Simple and quick calibration procedure
Peak memory	For tension and compression
Selectable units of measurement	Measure in lbF, kg/g, or N (depending on model)
Customizable default configuration	Set filters, communications settings, measurement settings, mode of operation, and more

Optional Equipment

Outputs package EGRS	RS-232, Mitutoyo (Digimatic), and analog outputs. Available at time of purchase or as an upgrade.
Output cables	Various data output cables are available
Overload protection module 11-1042	Protects the force gauge against overloads during motorized tests, adjustable from 10% to 150% of gauge's full capacity. For use with motorized test stands. Requires EGRS.

Dimensions
in [mm]

	EG012 - EG200	EG500
ØA	0.200 [5.8]	0.375 [9.5]
B	0.19 [4.8]	0.44 [11.2]
C	0.35 [8.9]	0.68 [17.3]
Thread	#10-32	5/16-18

Ordering Information

Model No.	Capacity x Resolution	Deflection
EG012	0.12 x 0.0001 lbF, 50 x 0.05 gF, 0.5 x 0.0005 N, 110V	0.005 [0.13]
EG025	0.25 x 0.0002 lbF, 100.00 x 0.1 gF, 1 x 0.001 N, 110V	0.010 [0.25]
EG05	0.5 x 0.0005 lbF, 250 x 0.2 gF, 2.5 x 0.002 N, 110V	0.010 [0.25]
EG2	2 x 0.002 lbF, 1 x 0.001 kgF, 10 x 0.01 N, 110V	0.009 [0.23]
EG5	5 x 0.005 lbF, 2.5 x 0.002 kgF, 25 x 0.02 N, 110V	0.005 [0.13]
EG10	10 x 0.01 lbF, 5 x 0.005 kgF, 50 x 0.05 N, 110V	0.010 [0.25]
EG20	20 x 0.02 lbF, 10 x 0.01 kgF, 100 x 0.1 N, 110V	0.004 [0.10]
EG50	50 x 0.05 lbF, 25 x 0.02 kgF, 250 x 0.2 N, 110V	0.010 [0.25]
EG100	100 x 0.1 lbF, 50 x 0.05 kgF, 500 x 0.5 N, 110V	0.010 [0.25]
EG200	200 x 0.2 lbF, 100 x 0.1 kgF, 1000 x 1 N, 110V	0.010 [0.25]
EG500	500 x 0.5 lbF, 250 x 0.2 kgF, 2500 x 2 N, 110V	0.010 [0.25]

For 220V operation, add suffix E to model number. Example: EG50E

MARK-10

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3 YEAR WARRANTY

Specifications subject to change without prior notice