Data Sheet Economical Digital Force Gauges Series 2

32-1166 REV 4



Series 2 digital force gauges are designed for basic tension and compression force testing applications up to 500 lbF (2,500 N). Peak tension and compression readings are reliably captured via the gauges' $\pm 0.5\%$ accuracy and 500 Hz sampling rate. A backlit graphic LCD displays the current, peak tension, or peak compression reading.

The gauges are overload protected to 200% of capacity. An ergonomic, reversible aluminum housing allows for hand held use or fixture mounting, rugged enough for applications in both production and laboratory environments. Series 2 gauges are directly compatible with Mark-10 test stands and grips.



> Shown with an ES20 test stand with

G1061 wedge grips

< Shown with the included cushioned shipping carton and optional accessories



Features

- Calculates peak tension and compression values
- 3 selectable units of measurement
- Ultra-compact, ergonomic housing
- Configurable default measurement unit and mode
- 500 Hz sampling rate
- Large, backlit graphic display with auto-dimming
- Powered by rechargeable battery or AC adapter
- Reversible housing for alternate load cell orientation





Mark-10 Corporation ■ www.mark-10.com ■ info@mark-10.com Toll-free: 888-MARK-TEN ■ Tel: 631-842-9200 ■ Fax: 631-842-9201



Specifications subject to change without prior notice

Page 1 of 3

Data Sheet

Economical Digital Force Gauges Series 2

32-1166 REV 4

Page 2 of 3

Optional Items



Cushioned hard plastic carrying case provides storage space for the gauge, AC adapter, and attachments.

Ordering Information - Gauges

CERTIFICATE OF CALIBRATION

Certificate of calibration

Includes 10 data points in the

tions. NIST-traceable.

tension and compression direc-

MARTIN TENBON CLOCKWEE 5.00 10.05 15.05 20.00 24.95 30.00 34.95 39.95 45.00 50.00 0.00 0.10 0.00 0.10 0.00 0.10 0.10 0.00 0.00

Attachments

Available individually or as kits. Select from hooks,

flats, cones, chisels, v-grooves, and extension rods.

Model	Capacity x Resolution			
Model	lbF	kgF	Ν	
M2-2	2 x 0.002	1 x 0.001	10 x 0.01	
M2-5	5 x 0.005	2.5 x 0.002	25 x 0.02	
M2-10	10 x 0.01	5 x 0.005	50 x 0.05	
M2-20	20 x 0.02	10 x 0.01	100 x 0.1	
M2-50	50 x 0.05	25 x 0.02	250 x 0.2	
M2-100	100 x 0.1	50 x 0.05	500 x 0.5	
M2-200	200 x 0.2	100 x 0.1	1000 x 1	
M2-500	500 x 0.5	250 x 0.2	2500 x 2	

Ordering Information - Optional Items

For All Series 2 Gauges		
CERT	Certificate of calibration with data	
12-1049	Carrying case	

For M2-2 - M2-100 Gauges		
G1038	Medium hook, #10-32M (requires G1039)	
G1039	Coupling, #10-32F/F	
G1029	Flat head, #10-32F	
G1026	Cone, #10-32F	
G1025	Chisel point, #10-32F	
G1027	V-groove, #10-32F	
G1024	Extension rod, 5", #10-32F	
23-1031-2	Attachments kit (qty. 1 of G1038 through G1024)	

For M2-200 - M2-500 Gauges		
G1035	Large hook, 5/16-18M (requires G1037)	
G1037	Coupling, 5/16-18F/F	
G1036	Flat head, 5/16-18F	
G1033	Cone, 5/16-18F	
G1032	Chisel point, 5/16-18F	
G1034	V-groove, 5/16-18F	
G1031	Extension rod, 5", 5/16-18F	
23-1031-3	Attachments kit (qty. 1 ea. of G1035 through G1031)	



Mark-10 Corporation Www.mark-10.com info@mark-10.com



Data Sheet

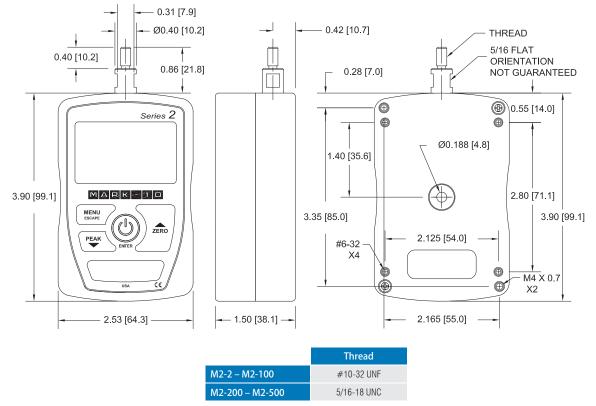
Economical Digital Force Gauges Series 2

32-1166 REV 4

Specifications

Accuracy:	$\pm 0.5\%$ of full scale	
Sampling Rate:	500 Hz	
Power:	AC or rechargeable battery, with multi-step low battery indicator.	
Battery life:	Backlight on: Up to 7 hours of continuous use Backlight off: Up to 24 hours of continuous use	
Safe overload:	200% of full scale (display shows "OVER" at 110% and above)	
Weight:	M2-2 – M2-100: 0.7 lb [0.33 kg] M2-200 – M2-500: 0.9 lb [0.41 kg]	
Included items:	Battery, quick-start guide, resource CD, certificate of conformance	
Environmental requirements:	40 - 100°F, max. 96% humidity, non-condensating	
Warranty:	3 years (see individual statement for further details)	







Mark-10 Corporation ■ www.mark-10.com ■ info@mark-10.com Toll-free: 888-MARK-TEN ■ Tel: 631-842-9200 ■ Fax: 631-842-9201



Page 3 of 3