

LG Series Low Capacity Mechanical Force Gauge

Specification Sheet
SS-FM-3001-0904
September 2004

The CHATILLON® LG Series mechanical force gauge is ideal for a wide range of force testing applications. Based on our popular DPP Series force gauge, the LG Series features a larger, 2.25-inch dial for improved resolution and readability, peak hold button, ergonomic shape and improved accuracy of $\pm 0.5\%$ of full scale. The LG gauge is an excellent, economical solution for tensile or compression testing.

The durable, plastic housing fits naturally in the hand for a comfortable and firm grip even at maximum loads. Gauges may be mounted to a test stand for even greater control and consistent results in repetitive testing applications. Easy to read concentric dial measures clockwise only. Dial rotates 360-degrees for taring. A peak hold button captures peak readings and can be easily and quickly returned to zero. A mechanical overload feature protects the gauge from damage. Available in lbf, kgf or N units of measure. LG Series gauges come complete with protective carrying case and a set of stainless steel attachments. A Certificate of Calibration with Data is supplied standard.

Features

- Three Models, Eight Capacities Each
- Tensile (Pull) and Compression (Push) Testing
- Intrinsically Safe
- Tare Ring
- Peak Load Switch
- Universal Mounting
- NIST Calibration with Data
- 2 Year Warranty

Specifications

Accuracy:	$\pm 0.5\%$ of Full Scale
Overload Capacity:	110% of Rated Capacity
Maximum Overload:	150% of Rated Capacity
Tare Capacity:	10% of Rated Capacity
Dial Resolution:	0.5% of Full Scale
Deflection:	10mm (.394 inches) at Full Scale
Operating Temperature:	40°F to 110°F (5°C to 45°C)
Instrument Weight:	1.5 lbs (0.68 kg)
Shipping Weight:	8.4 lbs (3.80 kg)

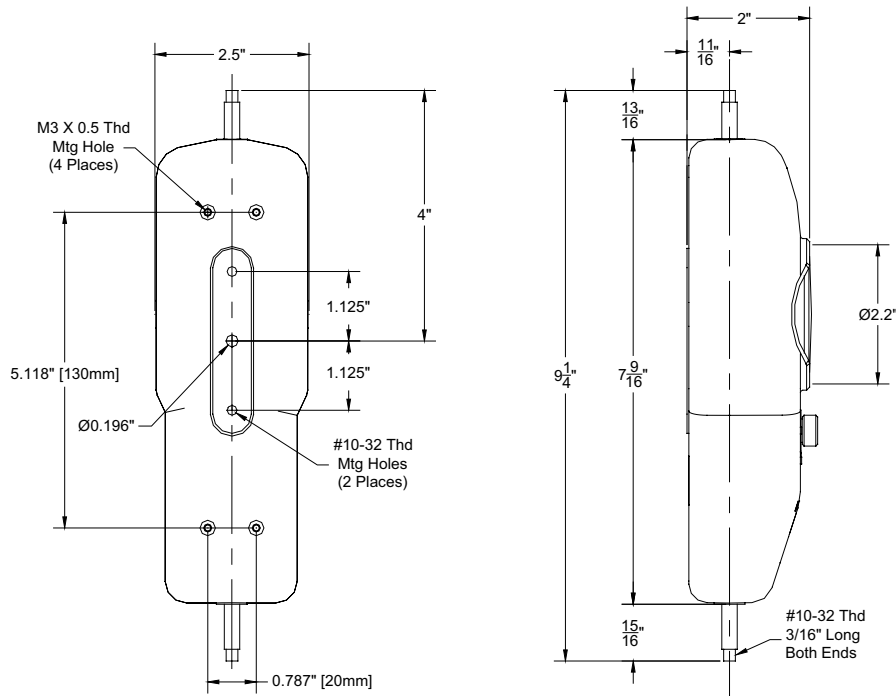


You Get More with Your CHATILLON Gauge.

Chatillon 

A registered trademark of AMETEK Inc.

Dimensions



E96-328

Accessories

Standard Accessories

Part No.	Description
SPK-FMG-008A	Chisel Point
SPK-FMG-009A	Point
SPK-FMG-010A	Notch
SPK-FMG-011A	Flat
SPK-FMG-012A ¹	Hook, Stationary, 20 lbf
SPK-FMG-012B ¹	Hook, Stationary, 100 lbf
SPK-FMG-013A	Extension Rod, 6-inch
NC002710	Carrying Case
NC002711	Operator's Manual

Note: ¹ Capacity dependent.

Optional Accessories

Part No.	Description
ML3867	Hook, Swivel (20 lbf)
ML3850	Hook, Swivel (100 lbf)
NC000988-3	Extension Rod, 3-inch

Ordering

Decimal Dials (LBF)

Model	Capacity x Resolution
LG-002	2 x 0.01 lbf
LG-005	5 x 0.025 lbf
LG-010	10 x 0.05 lbf
LG-020	20 x 0.1 lbf
LG-030	30 x 0.15 lbf
LG-050	50 x 0.25 lbf
LG-075	75 x 0.375 lbf
LG-100	100 x 0.5 lbf

Decimal Dials (KGF)

Model	Capacity x Resolution
LG-1KG	1 x 0.005 kgf
LG-2KG	2 x 0.01 kgf
LG-3KG	3 x 0.015 kgf
LG-5KG	5 x 0.025 kgf
LG-10KG	10 x 0.05 kgf
LG-20KG	20 x 0.1 kgf
LG-30KG	30 x 0.15 kgf
LG-50KG	50 x 0.25 kgf

S.I. Dials (Newtons)

Model	Capacity x Resolution
LG-10N	10 x 0.05 N
LG-20N	20 x 0.1 N
LG-30N	30 x 0.15 N
LG-50N	50 x 0.25 N
LG-100N	100 x 0.5 N
LG-200N	200 x 1 N
LG-300N	300 x 1.5 N
LG-500N	500 x 2.5 N

AMETEK
TEST AND CALIBRATION INSTRUMENTS

Johnson Scale Co.
235 Fairfield Ave.
West Caldwell, NJ 07006
(800) 572-2531
www.johnsonscale.com