

800

8

Chatillon

Visit Us on the Web at [www.chatillon.com](http://www.chatillon.com)

# LG Series Low Capacity Mechanical Force Gauge

Specification Sheet  
SS-FM-3001-0206  
February 2006

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

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

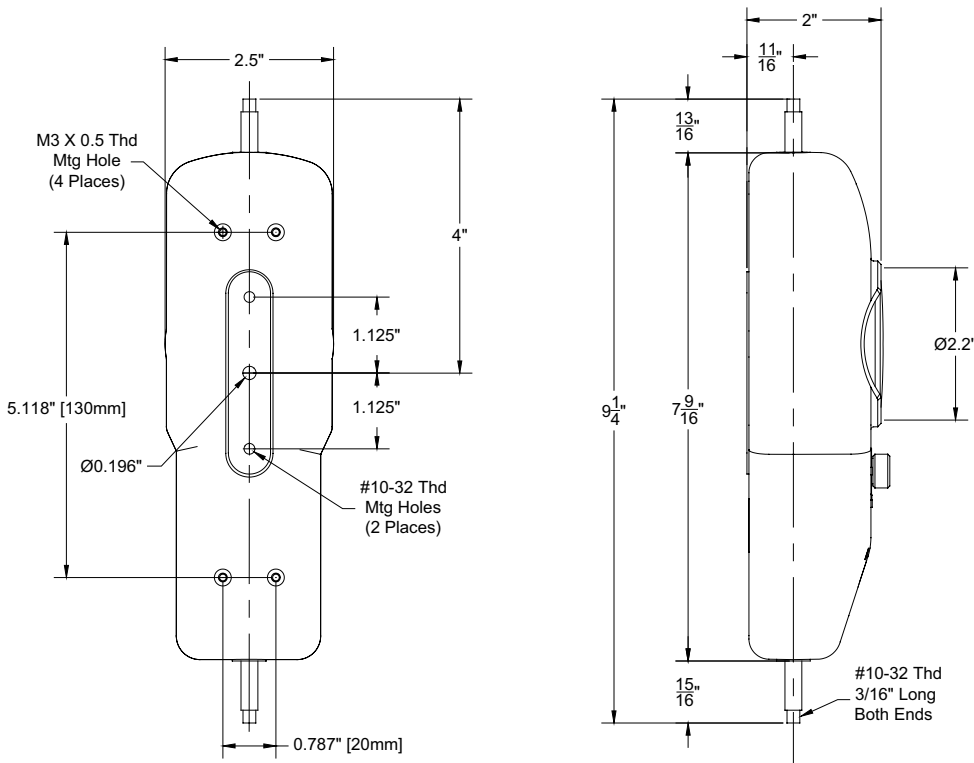


**You Get More with Your CHATILLON Gauge.**



A registered trademark of AMETEK Inc.

## Dimensions - LG Series



E96-328  
LG GAUGE SERIES

## 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 <sup>1</sup>	Hook, Stationary, 20 lbf
SPK-FMG-012B <sup>1</sup>	Hook, Stationary, 100 lbf
SPK-FMG-013A	Extension Rod, 6-inch
NC002710	Carrying Case
NC002711	Operator's Manual

Note: <sup>1</sup> 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

### Decimal Dials (OZF)

Model	Capacity x Resolution
LG-080	80 x 4 ozf

**AMETEK**  
US GAUGE DIVISION

For the authorized Chatillon Distributor or Manufacturer's Representative near you, go to [www.chatillon.com](http://www.chatillon.com)

**Americas**  
AMETEK US Gauge Division  
8600 Somerset Drive  
Largo, Florida 33773  
United States of America  
Tel +1-727-536-7831  
Tel +1-800-527-9999  
Fax +1-727-539-6882  
Email [chatillon.fl-har@ametek.com](mailto:chatillon.fl-har@ametek.com)

**France**  
AMETEK Lloyd Instruments SAS  
3 avenue des Coudriers  
Zone d'Activite de l'Observatoire  
78180 Montigny-Le-Bretonneux  
France  
Tel +33-1-3057-4774  
Fax +33-1-3057-5033  
Email [general@lloyd-instruments.com](mailto:general@lloyd-instruments.com)

**Germany**  
AMETEK GmbH  
Rudolf-Diesel-Strasse 16  
D-40670 Meerbusch  
Germany  
Tel +49-0-2159-9136-70  
Fax +49-0-2159-9136-80  
Email [apie@ametek.dr](mailto:apie@ametek.dr)

**Singapore**  
AMETEK Singapore Pvt. Ltd.  
10 Ang Mo Kio Street 65  
#05-12 Techpoint  
Singapore 569059  
Tel +65-484-2388  
Fax +65-481-6588  
Email [aspl@ametek.com.sg](mailto:aspl@ametek.com.sg)

Visit Us on the Worldwide Web at:  
[www.chatillon.com](http://www.chatillon.com)

© 2004 by AMETEK, Inc.

Information within this document is subject to change without notice.



ISO 9001/2000  
ISO/IEC17025  
Manufacturer