



Visit Us on the Web at www.chatillon.com

DG Series High Capacity Mechanical Force Gauge

Specification Sheet
SS-FM-3002-0904
September 2004

The CHATILLON® DG Series mechanical force gauge is ideal for a wide range of force testing applications up to 500 lbf (2.5 kN). Based on our popular DPPH Series force gauge, the DG Series features a larger, 2.25-inch dial for improved resolution and readability, peak hold button, durable plastic housing, universal mounting plate, ergonomic shape and improved accuracy of $\pm 0.5\%$ of full scale. The DG gauge is an excellent, economical solution for tensile or compression testing.

The DG Series may be used as a hand-held device or equipped with an optional handle set for two-hand operation. It is ideal for test stand applications, and when combined with the MT500 Series mechanical test stand, offers you a versatile, economic test system with a capacity of up to 500 lbf (2.5 kN).

The DG Series features an easy to read concentric dial that measures clockwise only. Dial rotates 360-degrees for taring. A peak hold switch 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. DG Series gauges come complete with protective carrying case and a set of stainless steel attachments. A Certificate of Calibration with NIST Data is supplied standard.

Features

- Eight Capacities
- 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:	4.7 lbs (2.12 kg)
Shipping Weight:	8.4 lbs (3.80 kg)

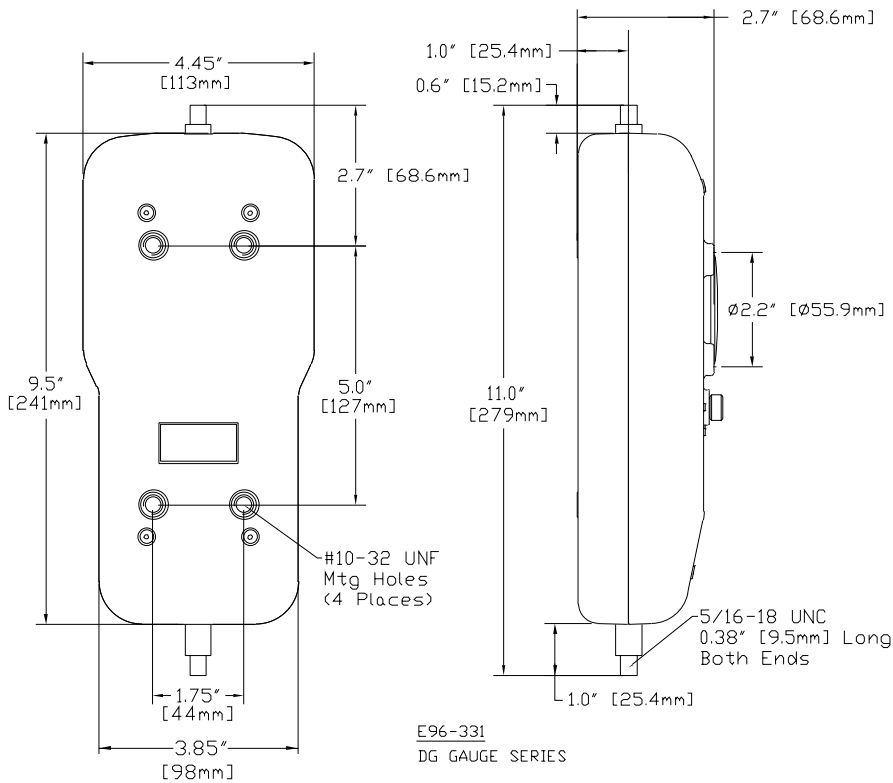


You Get More with Your CHATILLON Gauge.



A registered trademark of AMETEK Inc.

Dimensions - DG Series



DG Series force gauge shown with optional Handle Set Assembly (p/n SPK-DG-Handle).



Optional Handle Set Assembly (p/n SPK-DG-Handle).

Ordering

Decimal Dial (LBF)

Model	Capacity x Resolution
DG-200	200 x 1.0 lbf
DG-300	300 x 1.5 lbf
DG-400	400 x 2.0 lbf
DG-500	500 x 2.5 lbf

Decimal Dial (KGF)

Model	Capacity x Resolution
DG-100KG	100 x 0.50 kgf
DG-250KG	250 x 1.25 kgf

S.I. Dials (Newtons)

Model	Capacity x Resolution
DG-1000N	1000 x 5.0 N
DG-2500N	2500 x 12.5 N

Accessories

Standard Accessories

Part No.	Description
SPK-FMG-008C	Chisel Point
SPK-FMG-009B	Point
SPK-FMG-010B	Notch
SPK-FMG-011B	Flat
SPK-FMG-012C	Hook, Stationary
SPK-FMG-013B	Extension Rod, 6-inch
NC002728	Carrying Case
NC002737	Operator's Manual

Optional Accessories

Part No.	Description
ML3868	Hook, Swivel
NC002500	Hook, with Clasp
SPK-DG-Handle	Handle Set Assembly
SPK-DG-TCM-TCD	Adapter, TCM/TCD Stand
SPK-DG-HTC	Adapter, HTC Stand
SPK-DG-TT	Adapter, TT Tester
SPK-MT-0005	Adapter, MT Stand
SPK-DG-LTCM	Adapter, LTCM-100 Stand

AMETEK
TEST AND CALIBRATION INSTRUMENTS

For the authorized Chatillon Distributor or Manufacturer's Representative near you, go to www.chatillon.com

Americas
AMETEK TCI 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-lar@ametek.com

France
AMETEK Lloyd Instruments SA
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

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

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

United Kingdom
AMETEK Lloyd Instruments Ltd.
Forum House, 12 Barnes Wallis Rd
Segensworth East
Fareham
Hampshire PO15 5TT
United Kingdom
Tel +44-0-1489-574221
Fax +44-0-1489-885118
Email uk-far.general@ametek.co.uk

Visit Us on the Worldwide Web at:
www.chatillon.com

© 2004 by AMETEK, Inc.

Information within this document is subject to change without notice.

ISO 9001/2000
ISO/IEC17025
ACCREDITED Manufacturer