

DG Series

Mechanical Force Gauge



Functions and Features

Handheld or Mount on Teststand

The CHATILLON® DG Series is mechanical force gauges 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, a peak hold button, durable plastic housing, universal mounting plate, ergonomic shape and improved accuracy of +0.5% of full scale. The DG gauge is an excellent, economical solution for tensile or compression testing.

Handheld or Mount on Teststand

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

Classic easy-to-read scale

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.

Chatillon DG Series

Chatillon has been a hallmark in the industry since 1835. The handheld gauges and motorized testers have earned their reputation for quality, reliability and accuracy and they represent the de facto standard for force measurement.

The DG Series is an excellent, economical solution for tensile or compression testing up to 500 lbf (2.5 kN). This force gauge can be used as a hand-held device or equipped with an optional handle set for two-hand operation.



DG Series

Features

The DG Series is simple to use and yet sturdy instruments :

- Three Graduation Styles
 - LBF
 - KGF
 - Newtons
- Tensile (Pull) and Compression (Push) Testing
- Peak Load Switch
- Tare Ring
- Intrinsically Safe
- NIST Calibration with Data
- 2 Year Warranty

Portable Kit

The Ergonomic force kits are ideal for job task analysis, functional capacity and muscle strength analysis.

The different ergonomic kits are popular for usage in the field and at physical therapy facilities. These kits can be used with both our mechanical LG and DG Series or the Digital DF II Series force gauges.

Read the detailed brochure online to see the different types of kits available.



Ergonomic Gauge kit K-DMG-200/500 with 200 or 500Lbf DG Gauge

Ordering

DG Series			
Model	lbf	kgf	N
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		
DG-100KG		100 x 0.50 kgf	
DG-250KG		250 x 1.25 kgf	
DG-1000N			1000 x 5 N
DG-2500N			2500 x 12.5 N

Accessories		
Part No.	Description	DG-XXXX
SPK-FMG-011B	Flat Adapter*	■
SPK-FMG-012C	Hook, Stationary*	■
NC002500	Hook, With Snap Latch*	●
SPK-FMG-008B	Chisel Point Adapter*	■
SPK-FMG-009B	Point Adapter*	■
SPK-FMG-010B	Notch Adapter*	■
NC000721	V-Notch Fixture, Small*	●
NC000725	V-Notch Fixture, Large*	●
SPK-FMG-013B	Extension Rod, 13" (330,2mm)*	■
SPK-FMG-142	Curved Compression Fixture*	●
SPK-FMG-143	Compression Plate, Circular*	●
SPK-FMG-144	Palm Fixture*	●
SPK-FMG-145	Compression Plate, Rectangular, Large*	●
SPK-FMG-146	Compression Plate, Rectangular, Small*	●
NC002844	Grasping Cable*	●
SPK-DF-HANDLE	Handle Assembly*	●
NC002728	DG Series Carrying Case	■
NC002845	Soft Case Fanny Pack	●

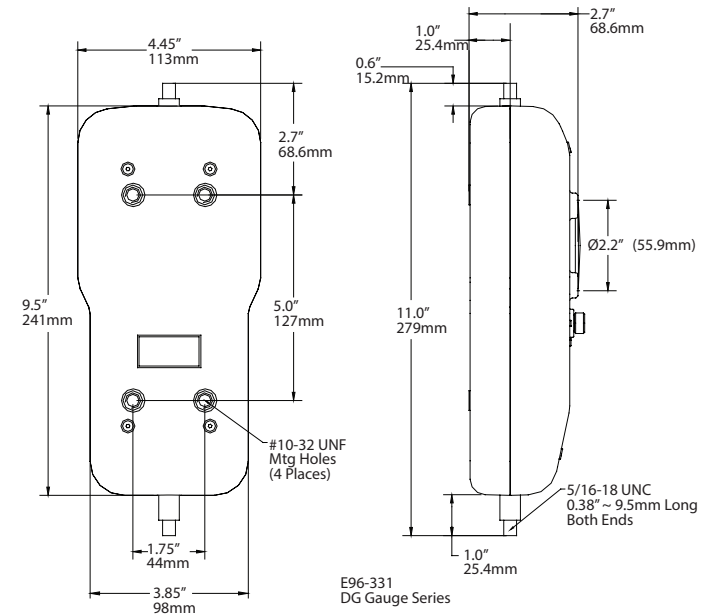
*) 500 lbf, 2.5 kN Capacity and 5/16-18F Thread

- Standard Accessory
- Optional Accessory



Dimensions and Specifications

Specifications	
Accuracy	±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 (Full Scale)	10mm (.394 inches)
Operating Temperature	40°F to 110°F (5°C to 45°C)
Instrument Weight	4.7 lbs (2.2 kg)
Shipping Weight	8.4 lbs (3.80 kg)



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Chatillon
force measurement

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