

DMG SERIES

Mechanical Job Task Analyzer

This hand-held dynamometer lets you objectively measure manual muscle strength and functional task requirements for almost any application. Offers full portability and ease of use for a fraction of the cost of expensive computer controlled systems.

Available in 200 lbf and 500 lbf capacities, these rugged mechanical instruments accurately measure ($\pm 0.5\%$ FS) instantaneous push or pull forces generated by the test subject. A calibrated dial shows instantaneous force. An easy-to-use peak force switch freezes the pointer at the maximum force for simple identification and analysis. Gauges come complete with attachments for both job task analysis and muscle strength testing.

APPLICATIONS

Physical Medicine

Accurately measure and document musculoskeletal strength to determine patient condition and serially track progress. Evaluate individual muscle groups in flexion/extension, internal/external rotation, plantar flexion, dorsi flexion and abduction/adduction.

Occupational Medicine

Conduct job task analysis, ergonomic analysis, and ADA compliance evaluations. Measure actual push, pull, and lift forces of a particular job task, then quantitatively evaluate an individual's ability to perform each task. Ensure an employee's ability to work following an injury.

Sports Medicine

Objectively quantify an athlete's musculoskeletal force output. Evaluate and document the effectiveness of a prescribed training program. Serially track each patient's progress.



DMG Series with Standard Accessories

SPECIFICATION
SS-MD-3940-0703
July 2003



Job Task Analysis



Muscle Strength



*Ergonomics & Work Place
Analysis*

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FEATURES

- Easy to Use, Durable Construction
- Tensile or Compression Testing
- Intrinsically Safe
- Two Capacities 200 lbf & 500 lbf
- Push or Pull Operations
- Tare Ring
- Peak Capture
- Universal Mounting Plate
- NIST Calibration with Data

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:	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 with case:	8.4 lbs (3.80 kg)
Warranty:	2 Years

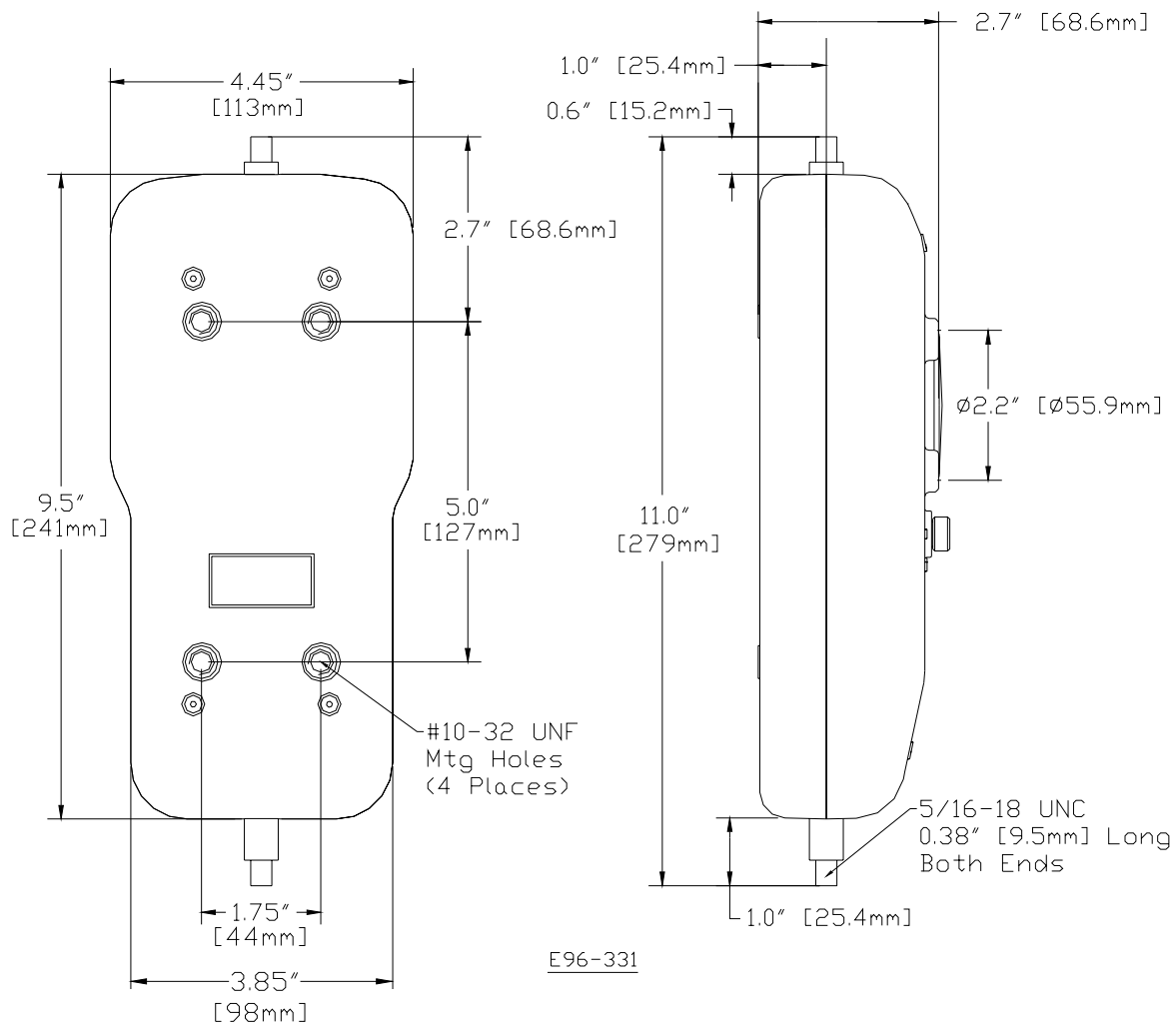
ORDERING INFORMATION

Description	Part No.
Job Task Analyzer, 200 lbf x 1.0 lbf	DMG-200
Job Task Analyzer, 500 lbf x 2.5 lbf	DMG-500

ACCESSORIES

Description	Part No.	Packaging	Notes
Rectangular Fixture, 3-1/2"	NC000730-1	Standard	
Rectangular Fixture, 3/4"	NC000738-1	Standard	
Curved Fixture, 4-1/2" x 1-1/2"	NC000737-1	Standard	
Knurled Nut	NC000857	Standard	
Hook, Stationary, 5/16-18	SPK-FMG-012C	Standard	
Hook, with Clasp, 5/16-18	NC002500	Standard	
Handle Assembly	SPK-DG-HANDLE	Standard	4" handles
Protective Carrying Case	NC002729	Standard	
Operator's Manual	NC002739	Standard	
Notch Adapter, 5/8" diameter	NC000721	Optional	
Notch Adapter, 1" diameter	NC000725	Optional	
Handle, 1" x 6", Pair	SPK-FMG-107	Optional	6" handles
Flat Disc, 3-1/2" x 1/2"	NC000751-1	Optional	
Flat Disc, 3-1/2" x 1/4"	NC000751-2	Optional	
Hook, Swivel with Clasp	NC000756	Optional	
Extension Rod, 5/16-18	SPK-FMG-013B	Optional	
Chisel Point, 5/16-18	SPK-FMG-008B	Optional	
Point Adapter, 5/16-18	SPK-FMG-009B	Optional	
Notch Adapter, 5/16-18	SPK-FMG-010B	Optional	
Flat Adapter, 5/16-18	SPK-FMG-011B	Optional	
Hook, Swivel, 5/16-18	ML3868	Optional	

DIMENSIONS- DMG Series



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