

DHT 1500 - Digital Hand Tester

Standard Features

- Compression and extension testing of force and length
- Tracking or peak modes (2,000 samples / sec)
- Load cell and frame deflection compensation
- Mechanical and software overload protection
- Built-in shunt calibration verification
- Digital calibration and linearization NEW!
- Backlit digital LED display of force and length
- Wipe-clean embossed key faceplate
- Push button force and length zeroing
- Push button English or metric unit selection
- Rigid two column design
- Internal 8-hour battery for portable use

This is the high-capacity version of our DHT. Use this tester for tension or compression applications. Standard pull lengths of 18" can be increased with optional extended rods to up to 72" to test long parts. It has higher resolution force and length to test with greater accuracy. In addition, this tester is upgradeable with more options like the Micro-Length Adjust with length stops or RS 232 port.

It comes standard with a two-line backlit LCD display of force and length with deflection compensation for accurate readings at all times. It has a rugged cast aluminum and steel frame, precision rack and pinion drive with adjustments for wear and convenient hand operation to apply force and adjust length. It includes 2 position stop rods, standard length lock, rechargeable battery and mechanical overload stops to protect the tester from damage. This tester has a 0.437" thru-hole standard.



DHT 1500 - Force Specifications		
Capacity	Resolution	
	0-20% FS*	0-100% FS 20-100% FS*
110 lb	0.005 lb	0.05 lb
50 kg	0.002 kg	0.02 kg
489 N	0.02 N	0.2 N
750 lb	0.05 lb	0.5 lb
340 kg	0.02 kg	0.2 kg
3,336 N	0.2 N	2 N
1,500 lb	0.1 lb	1 lb
680 kg	0.05 kg	0.5 kg
6,672 N	0.5 N	5 N
Accuracy = ± Resolution *Requires 050-0000-0107-00		

DHT 1500 - Length Specifications		
Capacity	Standard Resolution	
	Resolution	Accuracy (±)
110 lb	0.0005 in	0.001 in
	0.01 mm	0.02 mm
750 & 1,500 lb	0.0005 in	0.002 in
	0.01 mm	0.04 mm

DHT 1500 - To Order	
Part Number	Description
Testers	
050-0000-0101-01	DHT 1500 - 750 lb Capacity, Lever Operated
Tester Software	
050-1000-0010-01	Peak Mode
Accuracy Options	
050-0000-0107-00	High Resolution Force
Interchangeable Load Cells	
025-0000-0394-15	Load Cell - 110 lb (3.5" ØPlatform)
025-0000-0433-10	Load Cell - 750 lb (6" ØPlatform)
025-0000-0433-11	Load Cell - 1,500 lb (6" ØPlatform)
Factory Options	
025-0000-0434-00	Micro Length Adjust Assembly (2,000 lb Capacity)
025-0000-0442-00	Extended Range Rods to 24"
025-0000-0437-00	Extended Range Rods to 36"
025-0000-0438-00	Extended Range Rods to 48"
025-0000-0442-01	Extended Range Rods to 60"
025-0000-0442-02	Extended Range Rods to 72"
025-0000-0446-01	Gear Rack Assembly - 18" Stroke
025-0000-0446-02	Gear Rack Assembly - 24" Stroke
025-0000-0446-03	Gear Rack Assembly - 18" Stroke (0.437" Thru-Hole)
025-0000-0446-04	Gear Rack Assembly - 24" Stroke (0.437" Thru-Hole)
025-0000-0446-05	Gear Rack Assembly - 36" Stroke
025-1000-0491-00	Rechargeable Battery, 6V Kit

