

DHT

Digital Hand Tester

A convenient hand operated tester for compression and extension applications. The DHT has a higher resolution force and length to test with greater accuracy. It is made with a rugged cast aluminum and steel frame and a precision rack-and-pinion drive with adjustments for wear.

Standard Features:

- Compression testing of force and length
- 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
- Digital calibration and linearization
- Backlit digital LED display of force and length
- Wipe-clean embossed key faceplate
- Push button force and length zeroing
- NIST traceable calibration
- Length measurement in mm or in.
- Force measurement in lb, oz, kg or N
- Four 1/4" mounting holes for 1/4-20 bolts
- Test compression parts 12" in length
- Test extension parts 10" in length
- Double position stop rods
- Built-in shunt calibration verification
- Internal 8-hour battery for portable use

Options:

- 4" platforms (025-0000-0191-00)
- Micro Length Adjust (025-0000-0407-02)
- RS 232 / USB Output (050-1000-0064-00)
- Master calibrated springs
 - 10 lb (025-0000-1489-02)
 - 100 lb (025-0000-1489-03)
 - 500 lb (025-0000-1489-14)
- High resolution upgrades
 - Force (050-0000-0107-00)
 - Length (025-0000-0488-00)



Bright, Clear LED Display



Data Output Options

RS 232 and USB ports on the back of the tester can be activated for printing or data output to a computer.



Optional 4" Ø Platforms

For those parts that don't quite fit the standard 2" Ø platforms.



Micro Length Adjust Option

Make extremely accurate length adjustments and utilize two rigid compression stops built into the assembly.



See Page 2 for Force & Length Specifications.



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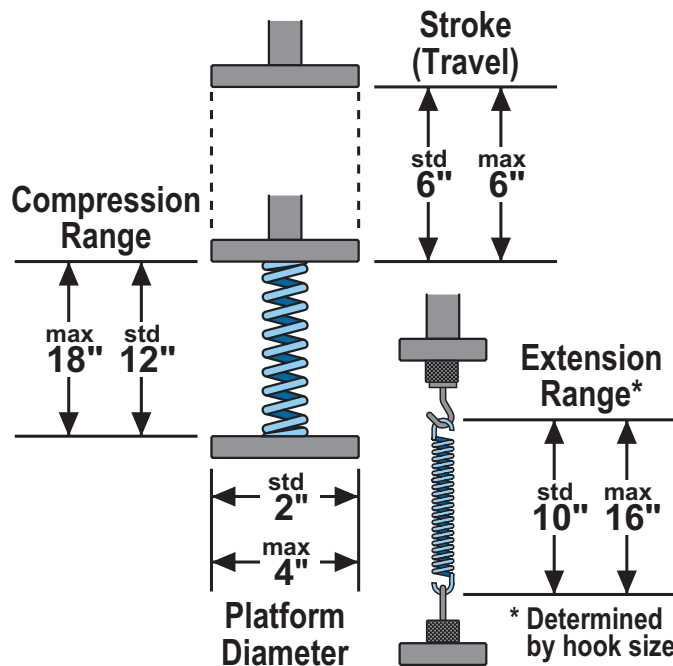
DHT Force & Length Specifications

DHT Model & Load Cell		Standard Resolution		High Resolution Force*		Standard Length	High Res. Length**
Model & Part No.	Capacity	0-100% Full Scale	0-20% FS	20-100% FS	Resolution / Accuracy		
 DHT 2 lb 050-0000-0025-00	2 lb	0.001 lb	0.0001 lb	0.001 lb	0.001 in / 0.002 in	0.0005 in / 0.001 in	
	907 g	0.2 g	0.02 g	0.2 g	0.02 mm / 0.04 mm	0.01 mm / 0.02 mm	
	8.9 N	0.002 N	0.0002 N	0.002 N	-		
 DHT 11 lb 050-0000-0019-00	11 lb	0.005 lb	0.0005 lb	0.005 lb	0.001 in / 0.002 in	0.0005 in / 0.001 in	
	5 kg	0.002 kg	0.0002 kg	0.002 kg	0.02 mm / 0.04 mm	0.01 mm / 0.02 mm	
	49 N	0.02 N	0.002 N	0.02 N	-		
 DHT 110 lb 050-0000-0020-00	110 lb	0.05 lb	0.005 lb	0.05 lb	0.001 in / 0.002 in	0.0005 in / 0.001 in	
	50 kg	0.02 kg	0.002 kg	0.02 kg	0.02 mm / 0.04 mm	0.01 mm / 0.02 mm	
	489 N	0.2 N	0.02 N	0.2 N	-		
 DHT 750 lb 050-0000-0021-00	750 lb	0.5 lb	0.05 lb	0.5 lb	0.001 in / 0.005 in	0.0005 in / 0.002 in	
	340 kg	0.2 kg	0.02 kg	0.2 kg	0.02 mm / 0.1 mm	0.01 mm / 0.04 mm	
	3,336 N	2 N	0.2 N	2 N	-		

Accuracy = ± Full Scale Resolution x 2

*Requires High Resolution Force Option 050-0000-0107-00

** Requires High Resolution Length Option 025-0000-0488-00



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