

DHT 1500

Digital Hand Tester

The DHT 1500 is great for tension or compression applications. Standard pull lengths of 18" can be increased to 72" with optional extended rods to test long parts. The DHT 1500 is built with a rigid two-column cast aluminum and steel frame, a precision rack-and-pinion drive with adjustments for wear and convenient hand operation to apply force and adjust length.

Standard Features:

- Single Load Cell Tester
- 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
- Test compression parts 18" in length
- Test extension parts 16" in length
- Standard length resolution 0.0005"
- Center mounted linear scale for less deflection
- Two position stop rods
- Standard length lock

Options:

- 8" platforms (025-0000-0439-00)
- Micro Length Adjust (025-0000-0434-00)
- RS 232 and USB data output
- Master calibrated springs
 - 100 lb (025-0000-1489-13)
 - 500 lb (025-0000-1489-14)
 - 1,000 lb (025-0000-1489-15)
- Extended Range Rods
 - 24" Range (025-0000-0442-00)
 - 36" Range (025-0000-0437-00)
 - 48" Range (025-0000-0438-00)
 - 60" Range (025-0000-0442-01)
 - 72" Range (025-0000-0442-02)
- Extended Stroke
 - 18" Stroke (025-0000-0446-01)
 - 18" Stroke with Thru-Hole (025-0000-0446-03)
 - 24" Stroke (025-0000-0446-02)
 - 24" Stroke with Thru-Hole (025-0000-0446-04)
 - 36" Stroke (025-0000-0446-05)
- Battery Pack (025-1000-0491-00)
- High resolution force upgrade (050-1000-0107-00)

*Pictured with optional
Micro-Length Adjust
and 8" platforms.*



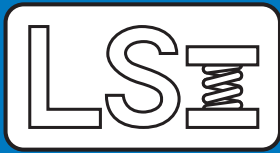
See Page 2 for Force & Length Specifications.



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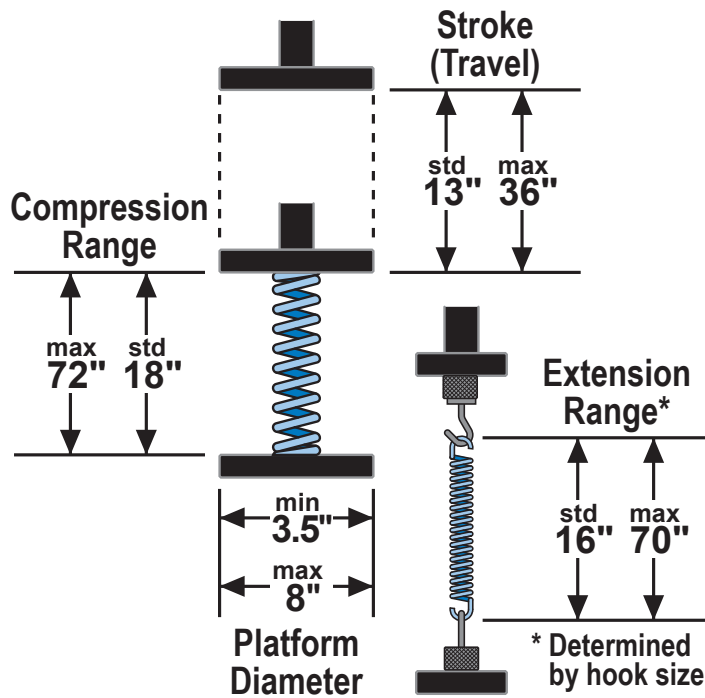
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DHT 1500 Force Specifications

DHT Model & Load Cell		Standard Resolution		High Resolution Force*		Standard Length	
Model & Part No.	Capacity	0-100% Full Scale	0-20% FS	20-100% FS	Resolution	Accuracy	
 DHT 1500 - 110 lb 025-0000-0814-04	110 lb	0.05 lb	0.005 lb	0.05 lb	0.0005 in	0.001 in	
	50 kg	0.02 kg	0.002 kg	0.02 kg	0.01 mm	0.02 mm	
	489 N	0.2 N	0.02 N	0.2 N	-	-	
 DHT 1500 - 750 lb 025-0000-0814-09	750 lb	0.5 lb	0.05 lb	0.5 lb	0.0005 in	0.002 in	
	340 kg	0.2 kg	0.02 kg	0.2 kg	0.01 mm	0.04 mm	
	3,336 N	2 N	0.2 N	2 N	-	-	
 DHT 1500 - 1,500 lb 025-0000-0814-11	1,500 lb	1 lb	0.1 lb	1 lb	0.0005 in	0.002 in	
	680 kg	0.5 kg	0.05 kg	0.5 kg	0.01 mm	0.04 mm	
	6,672 N	5 N	0.5 N	5 N	-	-	

Accuracy = ± Full Scale Resolution x 2
 *Requires High Resolution Force Option 050-0000-0107-00

DHT 1500 Standard & Maximum Part Sizes



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