

DHT - DIGITAL HAND TESTER

Use this tester for tension or compression applications. Standard pull lengths of 12" can be increased to 18" with optional extended rods. It has higher resolution force and length to test with greater accuracy. In addition, you can upgrade this tester with options such as the Micro-Length Adjust with length stops or an RS 232 port.

The DHT 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 also includes two position stop rods, standard length lock, a rechargeable battery and mechanical overload stops to protect the tester from damage.

Standard Features:

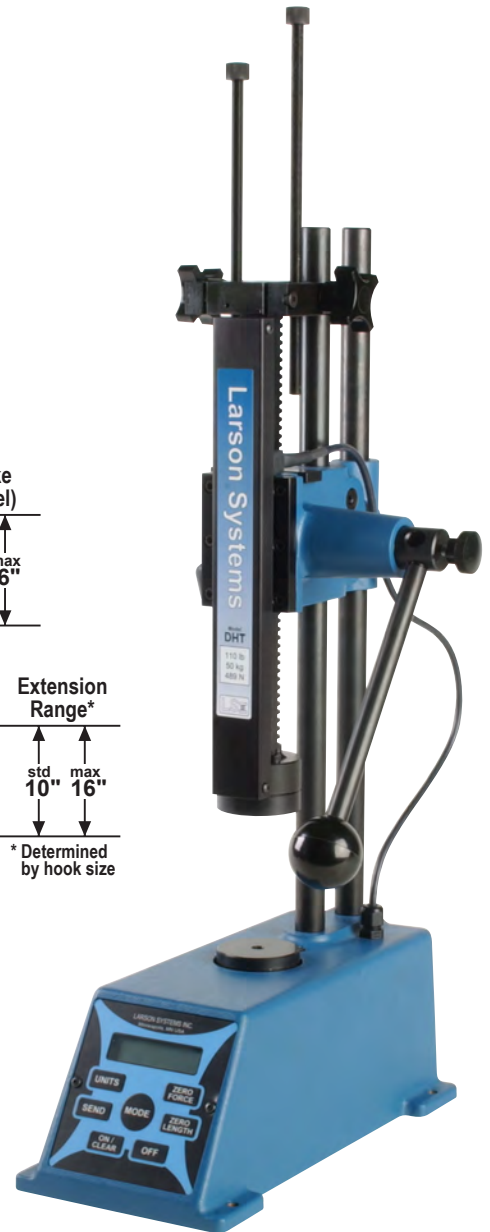
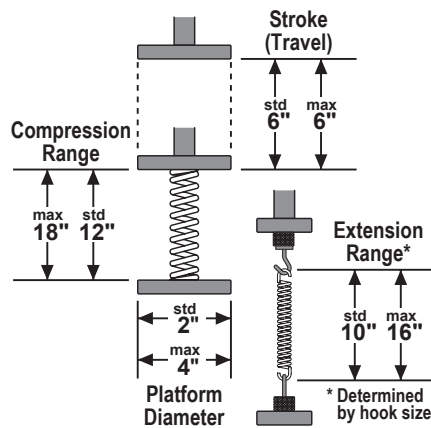
- Compression testing of force and length
- Extension Testing
- Tracking or peak modes (2,000 samples / sec)
- Load Cell and frame deflection compensation
- Mechanical and software overload protection
- Built-in shunt calibration verification
- Digital calibration and linearization
- Backlit digital LCD display of force and length
- Wipe-clean embossed key faceplate
- Push button force and length zeroing
- Push button English or metric unit selection
- NIST traceable calibration
- Double stop rods
- Internal 8-hour battery for portable use

DHT - Force Specifications					
Part No.	Capacity	Standard Resolution		High Force Resolution*	
		0-100% FS	0-20% FS*	20-100% FS*	
050-0000-0025-00	2 lb	0.001 lb	0.0001 lb	0.001 lb	
	907 g	0.2 g	0.02 g	0.2 g	
	8.9 N	0.002 N	0.0002 N	0.002 N	
050-0000-0019-00	11 lb	0.005 lb	0.0005 lb	0.005 lb	
	5 kg	0.002 kg	0.0002 kg	0.002 kg	
	49 N	0.02 N	0.002 N	0.02 N	
050-0000-0020-00	110 lb	0.05 lb	0.005 lb	0.05 lb	
	50 kg	0.02 kg	0.002 kg	0.02 kg	
	489 N	0.2 N	0.02 N	0.2 N	
050-0000-0021-00	750 lb	0.5 lb	0.05 lb	0.5 lb	
	340 kg	0.2 kg	0.02 kg	0.2 kg	
	3,336 N	2 N	0.2 N	2 N	

Accuracy = ± Resolution x 2
*Requires 050-0000-0107-00

DHT - Length Specifications				
Capacity	Standard Resolution		High Resolution*	
	Resolution	Accuracy (±)	Resolution	Accuracy (±)
≤ 110 lb	0.001 in	0.002 in	0.0005 in	0.001 in
	0.02 mm	0.04 mm	0.01 mm	0.02 mm
≥ 750 lb	0.001 in	0.005 in	0.0005 in	0.002 in
	0.02 mm	0.1 mm	0.01 mm	0.04 mm

*Requires 025-0000-0488-00



Larson Systems Inc.
10073 Baltimore Street NE
Minneapolis, MN 55449-4425

763-780-2131
877-780-2131
763-780-2182 (Fax)

info@larsonsystems.com
www.larsonsystems.com



060-6000-0071-15A