

CDHT - COMPRESSION DIGITAL HAND TESTER

For compression tests only. This tester can accommodate larger springs (up to 6" tall) and test them with greater accuracy. In addition, the CDHT can be upgraded with the Micro-Length Adjust with length stops, an RS 232 port or single or double-length stops. The tester has a two-line backlit LCD display of force and length and has built-in deflection compensation for accurate readings at all times. It has a rugged 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. A standard length lock and mechanical overload stops protect the tester from damage.

Standard Features:

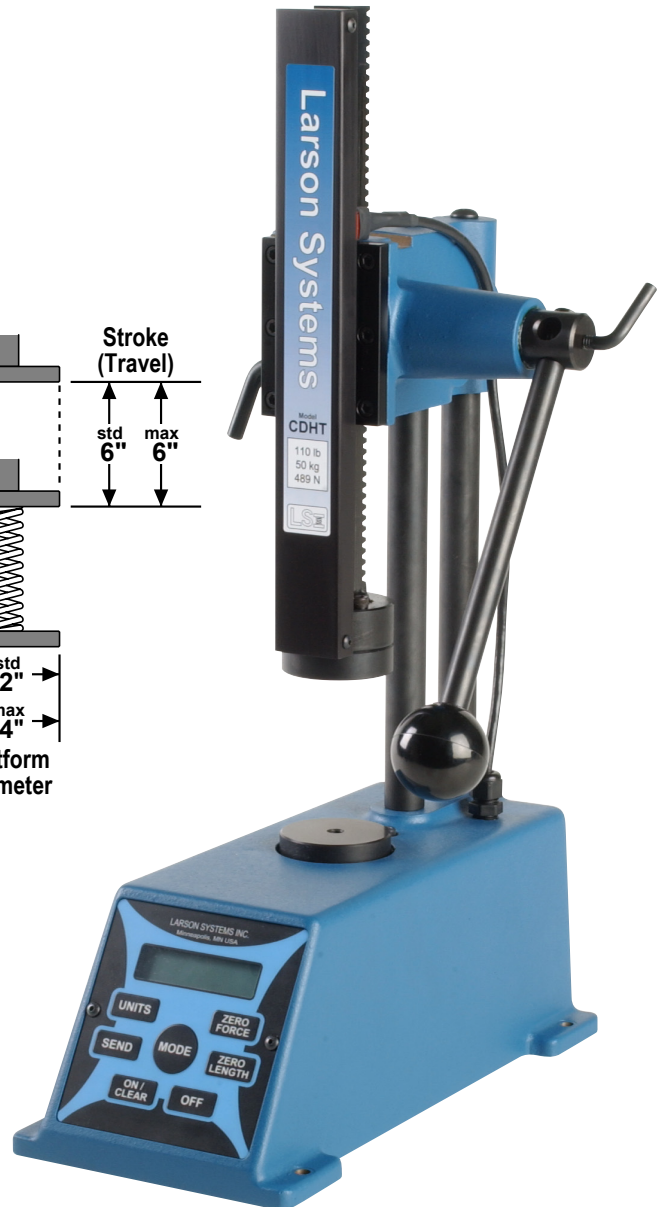
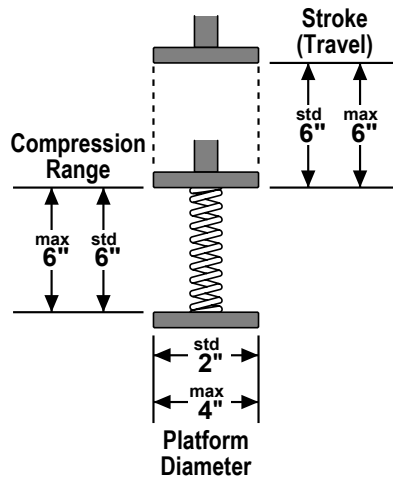
- NIST traceable calibration
- Compression testing of force and length
- Tracking or peak modes (2,000 samples / sec)
- Load Cell and frame deflection compensation
- Mechanical and software overload protection
- Built-in shunt calibration verification
- Digital calibration and linearization
- Backlit 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

CDHT - Force Specifications				
Part No.	Capacity	Standard Resolution		High Force Resolution*
		0-100% FS	0-20% FS*	20-100% FS*
050-0000-0055-00	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
050-0000-0056-00	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
050-0000-0057-00	750 lb	0.5 lb	0.05 lb	0.5 lb
	340 kg	0.2 kg	0.05 lb	0.2 kg
	3,336 N	2 N	0.2 N	2 N

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

CDHT - Length Specifications				
Capacity	Standard Resolution		High Resolution*	
	Resolution	Accuracy (±)	Resolution	Accuracy (±)
11 & 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	0.01 mm	0.01 mm	0.04 mm

*Requires 050-0000-0107-00



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