



CDHT

Compression Digital Hand Tester

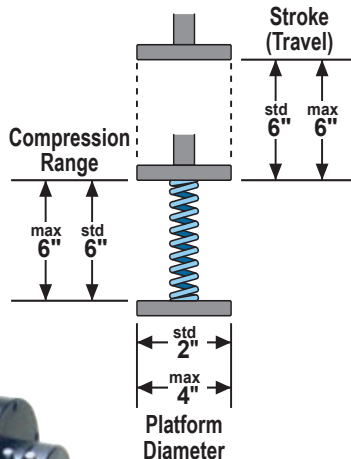
Compression testing only. The CDHT can accommodate springs up to 6" tall and test them with great accuracy. This spring tester has a rugged cast aluminum and steel frame, as well as a precision rack-and-pinion drive with adjustments for wear. The CDHT features convenient hand operation for applying force and adjusting length.

Standard Features:

- 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
- Digital calibration and linearization
- Backlit digital LCD 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

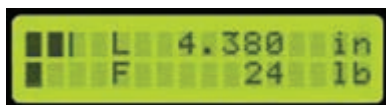
Options:

- 4" platforms (025-0000-0191-00)
- Battery pack (025-0000-0294-00)
- Single stop rod (025-0000-0293-00)
- Double stop rods (025-0000-0333-00)
- Micro Length Adjust (025-0000-0407-02)
- RS 232 Capbility (025-1000-0261-00)
- Master calibrated springs
 - 10 lb (018-3000-0010-02)
 - 100 lb (018-3000-0010-13)
 - 500 lb (018-3000-0010-15)
- High resolution upgrades
 - Force (050-1000-0107-00)
 - Length (025-0000-0488-00)



Micro Length Adjust

Make extremely fine length adjustments and utilize two rigid compression stops built right in to the assembly (the hand operating lever has been removed in this photo).



LCD Force / Length Display



CDHT 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			
CDHT 11 lb 050-0000-0055-00	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	-			
CDHT 110 lb 050-0000-0056-00	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	-			
CDHT 750 lb 050-0000-0057-00	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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