

COIL SPRING TESTER

The Coil Spring Tester is a low-cost alternative for high-capacity springs. Test up to 1,500 lbs and get good force / length results from this sturdy two-post frame. LCD readouts make it easy for you to see highly accurate length and force measurements. The length measurement units can be selected to read in inches or millimeters while force measurement is selectable to read in pounds, kilograms, or Newtons. The CST measures flexible items in compression only. Although low in cost, the CST features a high degree of built-in precision and accuracy to assure excellent repeatability and reproducibility.

The CST has compensation with integrated force and length measurements, so the length reads accurately at any force. This eliminates the need to use lookup tables to correct for the displayed length error. The Larson length reading is accurate as displayed.

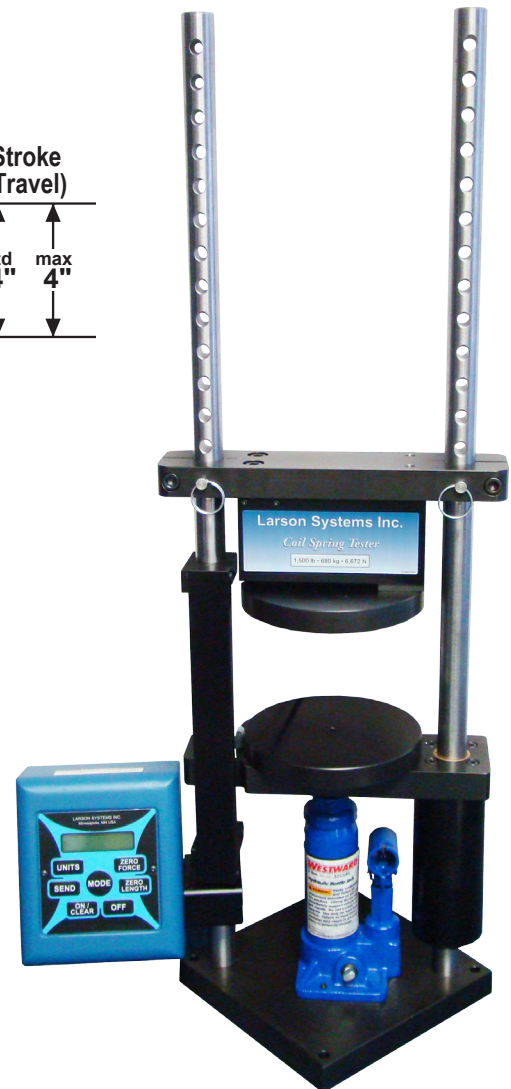
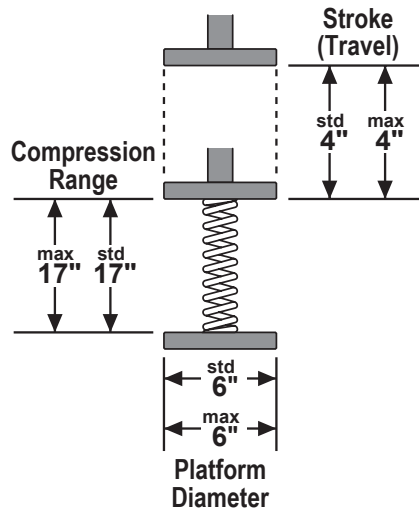
The Coil Spring Tester is made with a rugged two-post steel frame and equipped with a Larson precision load cell for force, a glass scale for length and our proprietary precision electronics for analysis and display of exact measurements.

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
- Built-in shunt calibration verification
- 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

Coil Spring Tester - Force Specifications			
Part No.	Capacity	Standard Resolution	High Resolution*
050-0000-0118-00	750 lb	1 lb	0.5 lb
	340 kg	0.5 kg	0.2 kg
	3,336 N	5 N	2 N
050-0000-0119-00	1,500 lb	2 lb	1 lb
	680 kg	1 kg	0.5 kg
	6,672 N	10 N	5 N
Accuracy = ± Resolution x 2 *Requires 050-1000-0014-00			

Coil Spring Tester - Length Specifications	
Resolution	Accuracy (±)
0.005 in	0.01 in
0.1 mm	0.2 mm



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