

# ECT

# Electronic Compression Tester

This digital compression tester comes fully featured, including a backlit two-line LED display of force and length and load cell 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.

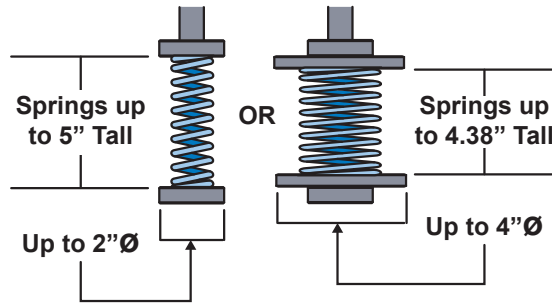
## Standard Features:

- 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 LED display of force and length
- Wipe-clean embossed key faceplate
- Push-button force and length zeroing
- Length measurement in mm or in.
- Force measurement in lb, oz, kg or N

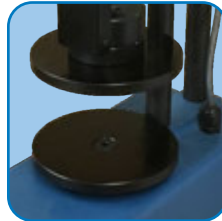
## Options:

- 4" platforms (025-0000-0191-00)
- Single stop rod (025-0000-0293-00)
- Master calibrated springs
  - 100 lb (025-0000-1489-13)
  - 1,000 lb (025-0000-1489-07)
- High resolution upgrades
  - Force (050-1000-0012-00)
  - Length (050-1000-0013-00)
- NIST traceable calibration
- RS 232 and USB for data output

### Max. Part Size with Standard 2" or Optional 4" Platforms



4" Platforms



Single Stop Rod



Overall tester dimensions:  
8.875" W x 21.5" H x 11.5" D

ECT Model & Load Cell		Standard Resolution		High Resolution Force*	
Model & Part No.	Capacity	0-100% Full Scale	0-20% FS	20-100% FS	
<b>ECT 110</b> 050-0000-0108-00	<b>110 lb</b>	<b>0.1 lb</b>	<b>0.01 lb</b>	<b>0.1 lb</b>	
	50 kg	0.05 kg	0.005 kg	0.05 kg	
	489 N	0.5 N	0.05 N	0.5 N	
<b>ECT 200</b> 050-0000-0151-00	<b>200 lb</b>	<b>0.1 lb</b>	<b>0.01 lb</b>	<b>0.1 lb</b>	
	91 kg	0.05 kg	0.005 kg	0.05 kg	
	890 N	0.5 N	0.05 N	0.5 N	
<b>ECT 750</b> 050-0000-0109-00	<b>750 lb</b>	<b>1 lb</b>	<b>0.1 lb</b>	<b>1 lb</b>	
	340 kg	0.5 kg	0.05 kg	0.5 kg	
	3,336 N	5 N	0.5 N	5 N	
<b>ECT 1500</b> 050-0000-0152-00	<b>1,500 lb</b>	<b>2 lb</b>	<b>1 lb</b>	<b>2 lb</b>	
	680 kg	1 kg	0.5 kg	1 kg	
	6,672 N	10 N	5 N	10 N	

Accuracy = ± Full Scale Resolution x 2

\*Requires High Resolution Force Option 050-1000-0012-00

Standard Length	
Resolution	Accuracy (±)
0.005 in	0.02 in
0.1 mm	0.4 mm

High Resolution Length*	
Resolution	Accuracy (±)
0.001 in	0.005 in
0.02 mm	0.1 mm

\*Requires 050-1000-0013-00



Larson Systems Inc.  
13847 Aberdeen Street NE  
Ham Lake, MN 55304-6789

763-780-2131  
info@larsonsystems.com  
www.larsonsystems.com



060-6000-0053-00Q