



EL 1 Spring Tester for Compression/Tension Testing Loads up to 25 pounds (11 Kg)

The Model EL1 Electronic Spring Tester has evolved as an accurate, easy to read, and rapid means for manually testing springs.

The EL1 is a precision instrument, designed to provide extremely accurate test capabilities for low load springs while providing an overload safety to protect delicate transducers. Platens are ground parallel within 0.001 inches and ball bushing guides eliminate side force on the Load Cell.

The EL1 comes standard with the Model 3700 Display Module which allows "Pass-Thru" production testing, automatic spring rate calculation, and classification of springs. An optional printer is available.

Loading LINK's Win3700 software onto a tablet computer, laptop, or PC allows the operator to enter and store test parameters, view test results and see real time load curves. Data may be stored in text format and exported for further analysis to third party spreadsheet or SPC software by using a user written macro.



Features

- Robust construction for long service life
- Capture loads at up to 8 preset heights
- Capture heights at up to 8 preset loads
- Auto spring rate computation
- Spring classification
- Metric to English conversion
- Win3700 Software

For more information on the Model EL1 Compression/Tension Spring Tester and how it can be configured to meet your testing requirements, contact LINK at 734-453-0800 or sales@linkeng.com

Disclaimer:

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Equipment pictured in this brochure may be shown with safety equipment removed or disabled for purposes of illustration. Equipment must never be operated with safety equipment removed or disabled. 290406

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EL1 Typical Specifications	
Load Cells (1 standard)	5 lb (2.3 kg) 10 lb (4.5 kg) 20 lb (9 kg) 25 lb (11 kg)
Daylight Opening	4 inches (101 mm)
Platen Diameter	2 inches (50 mm)
Load Accuracy	0.25 % Full Scale
Height Resolution	0.0002 inches (0.005 mm)
Power Requirement	95-250 VAC, 47-63 Hz (for Display Module)

- Options**
- Digital Squareness Under Load Testing
 - Extended Daylight to 12 inches (305 mm)
 - Tension Hooks
 - Custom Platens
 - Custom Fixtures
 - Worm Gear Drive
 - Printer
 - Tablet Computer, Laptop, or PC

Model 3700 Display Module is used to collect and display spring tester data. The system consists of the display module, external power supply and cabling. An optional printer allows the module to automatically printout results as the load is released. An RS232 null-modem cable is included.



LINK's patented "Pass-Thru" feature provides a fast and accurate means of testing "on the run". The operator presets up to 8 loads load or 8 heights at which the spring is to be tested. As the spring is being compressed beyond each control point, the system captures and retains the corresponding height or load. "Pass-Thru" capability is available on the load apply or return stroke.

Spring rate can be automatically calculated and displayed by selecting any two, non-corresponding set points (height or load).

The Model 3700 provides a digital display and can be switched between English and metric units. The module is powered with a universal power supply with US plug (standard).

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