



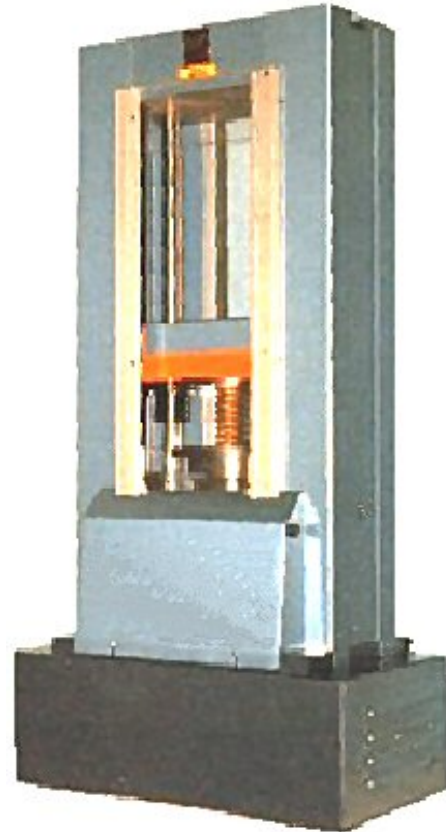
Model TP Spring Tester

The TP Series Motorized Spring Tester features manual and fully automatic control of test functions. It is of rugged, heavy-duty, twin-post construction. The motorized ram travels at operator controlled variable speed on precision guide rods, driven by ball screws under stepper motor control.

The TP Series provides electronic compensation for load cell deflection and machine deformation, with precise height measurement throughout ram travel.

TP testers come 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.

The Model 3700 also provides motor control to the stepper motor for automatic and manual testing.



FEATURES

- Heavy Duty Two Post Construction
- Snap on Guards for Easy Access
- Safety Interlock Doors
- Manual and Automatic Controls
- Capture Load at 8 Preset Heights
- Capture Height at 8 Preset Loads
- Auto Spring Rate Computation
- Spring Classification
- Metric to English Conversion
- Win3700 Software

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 a real time load curve. 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.

For more information about the TP Series Motorized Spring Testers and how they can be configured to meet your testing requirements, contact LINK at (734) 453-0800 or sales@linkeng.com.

Disclaimer:

Information presented in this brochure is for informational purposes only. Link Engineering Company reserves the right to make changes, alterations and substitutions to the machines, components or other information presented in this brochure without prior notice. For the latest information contact Link Engineering Company.

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.

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Link Engineering Company

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Model TP Spring Tester

TP Typical Specifications	
Tester Capacities	23 kg (50 lb)
	112 kg (250 lb)
	225 kg (500 lb)
	450 kg (1000 lb)
	900 kg (2000 lb)
	2270 kg (5000 lb)
Load Accuracy	0.25 % Full Scale
Height Resolution	0.1 mm (0.0004 inches)
Tester Power Requirement	Dependent upon capacity
Display Module	95-250 VAC, 47-63 Hz

- TP Options**
- Squareness Under Load Testing
 - Extended Daylight
 - Tension Configuration
 - Custom Platens
 - Custom Fixtures
 - Printer
 - Tablet Computer, Laptop, or PC
 - Light Curtains

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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