

Electric power tensile tester LTS-05



Tensile tester LTS-05 used to measure the physical mechanical properties of plastic films, laminated materials, adhesives, adhesive tapes, adhesive bandage (plaster), release paper, protection films, leather, rubber and paper fiber, etc. It can perform test items of tensile, peeling, deformation, tearing, heat seal, adhesive and open force, etc.

Principle

The pre-conditioned specimen is mounted between two grips, which move in relative direction during the test. The changes of force and displacement are separately recorded by the load cell fixed on the driven grip and the ruler shown on the stand column. The tensile strength, tear strength and elongation rate can be obtained by further calculation.

Features

- 0.5% of full scale effectively ensures the accuracy of test results
- 2 independent test modes are available, including tensile strength and peeling force to meet the distinct requirements of users
- 3 kinds of testing data provided for each test i.e. Maximum Value,

Minimum Value and Average Value. Group data analysis is also available

- Elongation rate can be easily obtained by the precise ruler
- Different test range of load cells and 7 distinct test speeds to meet different test requirements
- The instrument is controlled by micro-computer with menu interface, PVC operation panel and large LCD display
- Intelligent designs of over-travel protection, overload protection, automatic position reset and error alert for safe test operation

Standards

This instrument conforms to various national and international standards as follows:

GB/T 4850-2002, GB8808, GB/T 1040.3-2006, GB/T17200, GB/T2790, GB/T2791, GB/T2792, QB/T2358, ASTM E4、ASTM D828、ASTM D882、ASTM D1938、ASTM D3330、ASTM F88、ASTM F904、ISO 37、JIS P8113、QB/T 2358、QB/T 1130

Specifications	LTS-05
Load Cell Capacity	50N 500N 1500N 2000N
	Customization Available
Accuracy	0.5% FS
Test Speed	1-500 mm/min
Number of Specimens	1



Link Testing
Only for Flexible Packaging

Specimen Width	50 mm (Standard Grip)
Sample Clamp	Manual Specimen Clamp
Stroke	650 mm
Instrument Dimension	450 mm (L) x 300 mm (W) x 1350 mm (H)
Power Supply	220VAC 50Hz
Net Weight	61 kg

Standard Configurations

Instrument, Universal Grips, micro-printer, software

Optional parts

Standard roller, test pad, sample cutter, 90 degree peel clamp, other customize clamps.