

TSL-1001 Auto Tensile Tester



Application

Applies to plastic films, sheets, rubber, laminated films, extrusion films, foils, paper, medical patches, release paper, non-woven fabrics etc testing of various items, such as tensile, break force, elastic modulus, elongation, seal strength, T-style peeling strength, 90 peeling strength, 180 peeling strength, widely used in food & pharmaceutical industries, quality inspection departments as well as research and development institutions.

Features

- 1: 3 patents and 2 counts of software copyright registration.
- 2: Bilingually controlled by computer and embedded system.
- 3: Highly accurate load cell, Bi-direction test.
- 4: High performance servo drive(Made in Japan).
- 5: Test speed can be preset freely through software.
- 6: Selectable load cell: 50N, 100N, 250N, 500N, 1000N.
- 7: Silence running, < 25db@1000.
- 8: ISO, ASTM standards test available and non-standard test available.
- 9: Electronic limit, computer preset, non-mechanical limit.
- 10: Overload protection, less power consumption.

- 11: DB9 RS232 communication port .
- 12: Tensilyst workstation support.
- 13: Tensile, break force, elastic modulus, seal strength, 90 peeling strength, 180 peeling strength test available.
- 14: Historical data traceable, system log.
- 15: 5 degrees user management.
- 16: Group test, auto multiple curves display, auto statistic calculation.
- 17: DSM system is optional(Laboratory Management Information System), easy to manage test data.

Technical Indexes

- 1: Load range: 50N, 100N, 250N, 500N, 1000N, 2.5kN.(Personal customization available)
- 2: Accuracy: 0.03%FS max
- 3: Max travel distance: 1200mm.
- 4: Test speed: 0.01mm/min – 1000mm/min.
- 5: Displacement accuracy: 0.005mm.
- 6: Sample width: 55mm. (optional)
- 7: Sample thickness: 5mm. (optional)
- 8: Power supply: AC 220V 50Hz.(optional)
- 9: Power consumption: 300W.(Max)
- 10: Dimension 380mm(L) X 450mm(B) X 1309mm(H)
- 11: Net weight: 90kg.

Standards

ASTM D882, ASTM D828, ASTM E4, ASTM D1938, ASTM D3330, ASTM F88, ASTM F904, ISO 37, GB1040, GB8808, GB4805, GB7753, GB 7754, GB 453, GB/T17200, GB/T16578, GB/T 7122, GB/T 2790, GB/T 2791, GB/T 2792, JIS P8113, QB/T2358, QB/T 1130

Configuration

Standard configuration: main unit, computer, load cell, professional computer software, servo drive system, M5530 grips, communication cable.

Optional: Sampling plates, sample cutter, test plate, roller, non-standard fixtures, calibration assemblies, DSM system.

Note: Specifications are subject to change without prior notice.