

WB-010 Condom test piece elongation tester

Condom test piece tensile elongation tester is a professional electronic tensile testing machine for testing the mechanical properties of various soft packaging materials, such as tensile properties. The mechanical properties of plastic film, composite material, soft packaging material, plastic hose, adhesive tape, medical paste and other products can be tested through the change of data collected by the force value sensor on the dynamic chuck and the displacement sensor built in the machine. It has a wide range of applications, equipped with more than 100 different types of clamps for users to choose, and its ultra-high cost performance has won the love and recognition of the majority of users.



Professional Technology

- 10 Inch Touch screen, fashionable and convenient man-machine interface
- Selection of a variety of pilot projects to meet the needs of the vast majority of industry applications
- The force measuring system has high precision, good linearity and fast response.
- Sensor Overrange Protection
- The motion drive system is stable and has high running accuracy.
- Intelligent configurations such as limit protection, overload protection, automatic return, and power-off memory of motion mechanism ensure the safety of users and instruments themselves.
- Start-up automatic zero calibration, support manual sensor zero clearing
- Real-time display of test curves shows the changing trend of force value in the process of test.
- Products conform to GMP user three-level authority.
- Test data history can be queried, data can not be changed, auditable traceability
- Statistical analysis of single and group test results
- Micro printer, note printing test statistics at any time
- Standard USB communication interface
- Specialized computer communication software can display real-time test data, analyze and process data, and save data.
- Optional pneumatic clamping, reduce operation time, more smooth operation experience
- Extensible network transmission interface, test data uploaded directly to cloud server, global remote query.

Testing Principle

The sample is clamped between the two clamps of the fixture. The relative motion of the two clamps is made. The force and displacement changes during the test are collected through the force sensor on the moving clamp and the displacement sensor built in the machine. The tensile, tearing and deformation rate of the sample are calculated.



Testing Standard

The instrument conforms to many national and international standards: GB7544、ISO23409、ASTM D6324、GB 13022、GB 8808、GB 1040、GB 4850、GB 7753、GB 7754、GB 453、GB/T 17200、GB/T 16578、GB/T 7122、GB/T 2790、GB/T 2791、GB/T 2792、ASTM E4、ASTM D828、ASTM D882、ASTM D1938、ASTM D3330、ASTM F88、ASTM F904、ISO 37、JIS P8113、QB/T 2358、QB/T 1130、YBB00152002-2015、YBB00212005-2015、YBB00232005-2015、YBB00222005-2015、YBB00182004-2015、YBB00202005-2015、YBB00242002-2015、YBB00212004-2015、YBB00132005-2015、YBB00142005-2015、YBB00152005-2015.

Technical Parameter

| Item | Model | WB-010 |
|-------------------------------|-------|---|
| Range | | 30N、100N、500N、1000N |
| Accuracy of force measurement | | 0.5 class |
| Force Resolution | | 0.001N |
| Displacement accuracy | | 0.5 class |
| Displacement resolution | | 0.1mm |
| Test speed | | Stepless speed regulation, 5-800 mm/min |
| Travel | | 800mm |
| Power | | 220 V/50Hz/60W |
| Size | | 520mm*380mm*1400mm |
| Net Weight | | 72 kg |
| Environmental requirements | | temperature 10 °C ~ 40 °C. humidity 20%~80% |





Product configuration

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|------------------------|--|
| Standard configuration | Host computer, micro printer, pneumatic fixture, professional software, communication cable |
| Optional configuration | Breaking force fixture, opening force fixture for modular cover, stretching fixture, pinpoint puncture force test fixture, sliding test fixture, body tightness test fixture, thermal strength test fixture, connecting force fixture, pulling force fixture, full opening force fixture |

