

WB-008 Condom thickness tester

WB-008 The condom thickness tester adopts the principle of mechanical contact measurement, and strictly measures according to standard methods, effectively ensuring the standardization and accuracy of the test. Professionally suitable for accurate measurement of the thickness of various materials such as plastic films, sheets, diaphragms, paper, foils, silicon wafers within the range.



Professional Technology

- Microcomputer control system, large LCD, PLC operation panel, convenient for users to test operation and data view.
- Strictly follow the standard design of contact area and measurement pressure, while supporting various non-standard customization.
- The measuring head rises and falls automatically in the test process, which effectively avoids the system error caused by human factors.
- Support automatic and manual measurement modes, convenient for users to choose freely.
- The system can automatically inject samples, and the relevant parameters such as injection step distance, measuring points and injection speed can be set by the user.
- Display the analysis data of the maximum value, minimum value, average value and standard deviation of the measurement results in real time, which is convenient for users to judge.
- Configure standard gauge block for system calibration to ensure test accuracy and data consistency.
- The system supports many practical functions, such as real-time data display, automatic statistics, printing, etc., so as to obtain test results conveniently and quickly.
- Standard USB interface for external connection and data between system and computer.

Testing Principle

The condom thickness tester adopts the principle of mechanical contact measurement to cut off a certain size of the pattern; through the control panel button, adjust the measuring head to fall on the pattern; measure the thickness of the material based on the pressure generated by two contact surfaces and the value measured by two contact areas through the sensor.

Testing Standard

The instrument conforms to many national and international standards: ISO 4593、ISO 534、ISO 3034、GB/T 6672 、GB/T 451.3、GB/T 6547、ASTM D374、ASTM D1777TAPPI T411、JIS K6250、JIS K6783、JIS Z1702、BS 3983、BS 4817.

Technical Parameter

Item	Model	WB-008
Test range		0~2 mm (conventional), 0~6 mm, 12 mm (optional)
Resolution		0.1 μ m
Measuring speed		10 times/min (adjustable)
Measuring pressure		17.5 \pm 1 kPa (film); 50 \pm 1 kPa (paper)
Contact area		50 mm ² (film); 200 mm ² (paper) Film or paper can be selected.
Injection step		0 ~ 1000 mm
Injection rate		0.1 ~ 99.9 mm/s
Air connection		Φ 6mm Polyurethane tube
Size		400 mm*310mm*460mm
Power		AC 220V 50Hz
Net weight		32 kg

Product configuration

Standard configuration	Main machine, one standard gauge block and measuring head
Optional purchase	Professional software, communication cable, measuring head, counterweight

FAQ

1. Are you a manufacturer or a trading company ?

A: We are a professional manufacturer of test instruments. And we have our own subsidiary company for trading. All the import and export business will be handled by our own trading company.

2. Where is your factory located ? How can I visit there ?

A: Our factory is located in Jinan City, Shandong Province, about 1.5 hours by train from Beijing.

3. How to support me if i don't know how to use it?

A: Free training within the warranty by tel and mail or skype. And we have professional operation manual and operation video. We also can let our technician to customer's company to provide training and support if customer request.

4. If machines wearing parts need changing, what should we do?

A: We can offer the wearing parts all the time, and offer video to show how to change it.