

## CHY-CA Thickness Tester

The CHY-CA Thickness Tester is a high-precision thickness tester using the mechanical contact method, suitable for measuring the thickness of films, sheeting, paper, corrugated paperboard, textiles, non-woven fabrics, solid insulation materials, and more.

### Product Features

- 5-inch color touchscreen with graphical user interface (GUI).
- High precision sensors ensure high accuracy and repeatability of the thickness measurement system.
- The measuring head can be lifted and lowered automatically.
- Customization is available for multiple contact areas and pressures to meet various test conditions.
- A standard gauge block is available for fast calibration.
- Users can select manual or automatic test modes.
- Test results include maximum value, minimum value, average value, and standard deviation, which can be displayed directly.
- The instrument is embedded with SAICHENG's latest operating software, featuring a user-friendly interface, intelligent data processing, strict user management, and secure data storage.
- Auto feeding function (optional); feeding space, feeding speed, and measurement points can be set as required to ensure the accuracy of multiple successive points measurement.
- Equipped with micro-printer and standard 485 interface.



### Standards

This test instrument conforms to many national and international standards:

ISO 4593, ISO 534, ASTM D6988, ASTM F2251, GB/T 6672, GB/T 451.3, TAPPI T411, BS 2782-6, DIN 53370, ISO 3034, ISO 12625-3, ISO 5084, ASTM D374, ASTM D1777, ASTM D3652, GB/T 6547, GB/T 24218.2, FEFCO No 3, EN 1942, JIS K6250, JIS K6783, JIS Z1702

### Technical Specifications

Items	Specifications
Test Range	0 ~ 2 mm (standard)
	0 ~ 6 mm (optional)
	0 ~ 12 mm (optional)
Resolution	0.1 $\mu$ m

Test Pressure & Contact Area	Film: 17.5±1 kPa, 50 mm <sup>2</sup>
	Paper: 50±1 kPa, 200 mm <sup>2</sup>
	Note: Choose either film or paper. Customizations are available for other test pressures and contact areas.
Feeding Space	0 ~ 1000 mm (optional)
Feeding Speed	0.1 ~ 99.9 mm/s
Gas Pressure	0.4 ~ 0.6 MPa (out of supply scope)
Port Size	Φ6 mm PU tubing
Instrument Dimension	340 mm (W) x 340mm (D) x 400 mm (H)
Power Supply	AC 100-240V 50/60Hz (can be changed to local requirement)
Net Weight	17 kg

## Configurations

**Standard:** Instrument, Micro Printer, Standard Gauge Block

**Optional:** Professional Software, 485 Communication Cable, Measuring Head, Counterweight, Auto Feeding Device

**Note:** 1. The air connection of the instrument is Φ6 mm PU Tubing.

2. Customers need to prepare for air source.

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