

Professional

CHY-CB Thickness Tester is designed based on the mechanical contacting method, which effectively ensures standard and accurate test data. The instrument strictly conforms to multiple national and international standards.

- Contact area and pressure are strictly designed according to standard requirements, while customization is also available
- Automatic lifting presser foot facilitates to minimize system errors that caused by human factors during the test
- Manual or automatic operating mode for convenient test
- Displays the real-time data of maximum, minimum, average and standard deviation value for data analysis
- Equipped with standard block for system calibration to ensure uniform and accurate test data



High-end

This instrument utilizes Labthink's latest embedded computer control system, which provides a better performance than traditional single chip system.

- Embedded computer control system provides safer and more reliable data management as well as test operation
- The system can be operated easily by a standard monitor, a mouse and a keyboard; without requiring a PC.
- The system is equipped with four USB ports and dual Internet ports for convenient input, output and data transfer.

Intelligent

The instrument is equipped with Labthink's latest intelligent operating software, with user-friendly operating interface and intelligent data management. It also supports Lystem™ Lab Data Sharing System, which ensures uniform management of test results and test reports.

- Intelligent reminding of sensor calibration
- Embedded help document for user viewing at any time
- Multi-level account control for better data management and protection
- The system utilizes embedded data saving technology to save detailed information and provide convenient and various searching and viewing functions
- One time value input and the system automatically gives data comparison after each test
- Calibration data recovery function to reduce mistaken operation affects
- Supports Lystem™ Lab Data Sharing System for uniform and systematic data management

Standards

This test instrument conforms to the following standards:

ISO 4593, ISO 534, ISO 3034, GB/T 6672, GB/T 451.3, GB/T 6547, ASTM D374, ASTM D1777, TAPPI T411, JIS K6250, JIS K6783, JIS Z1702, BS 3983, BS 4817

Applications

This instrument is applicable to the precision determination of thickness of:

Basic Applications	Films, Sheets and Diaphragms
	Paper and Paper Board
	Foils and Silicon Wafers
	Metal Sheets
	Textiles and Non-woven Fabrics, e.g. baby diapers, sanitary towels and other sheeting
	Solid Electrical Insulating Materials
Extended Applications	Extended Test Rang of 5 mm and 10 mm
	Curved Presser Foot

Technical Specifications

Specifications	CHY-CB
Test Range	0~2 mm (standard); 0~6 mm,12 mm (optional)
Resolution	0.1 μm
Test Speed	10 times/min (adjustable)
Test Pressure	17.5±1 KPa (Film); 50±1 KPa (Paper)
Contact Area	50 mm ² (Film); 200 mm ² (Paper)
	Note: Select one presser foot for film or paper; Customization is available.
Instrument Dimension	461 mm (L) x 334 mm (W) x 357 mm (H)
Power Supply	AC 220 V 50 Hz
Net Weight	37 kg

Configurations

Standard Configurations	Mainframe, Monitor, Keyboard, Mouse and Standard Block
Optional Parts	Presser Foot, Extra Pressurizing Weight, Lystem™ Lab Data Sharing System and Printer (compatible with PCL3)

Please Note: Labthink is always dedicated to the innovation and improvement of product performance and function. Therefore, technical specifications are subject to change without further notice. Please visit our website at www.labthink.com for the latest updates. Labthink reserves the rights of final interpretation and revision.