

CHY-CA Thickness Tester

Features:

CHY-CA Thickness Tester is designed based on the mechanical contacting method, which effectively ensures standard and accurate test data and applicable to thickness test of plastic films, sheets, diaphragms, paper, foils, silicon wafers and other materials within specified range.



- 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
- Automatic specimen feeding, specimen feeding interval, number of testing points and specimen feeding speed could be preset by the user.
- Displays the real-time data of maximum, minimum, average and standard deviation value for data analysis
- Automatic statistics and printing functions are available which is convenient for the user to obtain the test results
- Equipped with standard block for system calibration to ensure uniform and accurate test data
- The instrument is controlled by micro-computer with LCD display, PVC operation panel and menu interface
- Equipped with RS232 port which is convenient for data transfer
- Supports Lystem™ Lab Data Sharing System for uniform and systematic management of test results and test reports

Standards:

This instrument conforms to multiple national and international standards:

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

Applications:

This instrument is applicable to the determination of thickness of:

	<ul style="list-style-type: none"> • Plastic Films, Sheets and Diaphragms
--	--

Basic Applications	<ul style="list-style-type: none"> Paper and Paper Board
	<ul style="list-style-type: none"> Foils and Silicon Wafers
	<ul style="list-style-type: none"> Metal Sheets
	<ul style="list-style-type: none"> Textiles and Non-woven Fabrics, e.g. baby diapers, sanitary towel and other sheeting
	<ul style="list-style-type: none"> Solid Electrical Insulating Materials
Extended Applications	<ul style="list-style-type: none"> Extended Test Range of 5mm and 10mm
	<ul style="list-style-type: none"> Curved Presser Foot

Technical Specifications

Specifications	CHY-CA
Test Range	0~2 mm (standard) 0~6 mm, 12 mm (optional)
Resolution	0.1 μ m
Test Speed	10 times/min (adjustable)
Test Pressure	17.5 \pm 1 KPa (film) 50 \pm 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
Specimen Feeding Interval	0 ~ 1000 mm
Specimen Feeding Speed	0.1 ~ 99.9 mm/s
Instrument Dimension	461 mm (L) x 334 mm (W) x 357 mm (H)
Power Supply	AC 220V 50Hz
Net Weight	32 kg

Standard Configurations

Mainframe and One Standard Block

Optional Parts

Professional Software, Communication Cable, Presser Foot and Weight