- Online Data Management for Packaging Testing - The ultimate cloud computing technology for test data processing and management
- Designed with embedded computer control system and intelligent operating software
- Can be used to test various medical packaging materials and other film materials
- Conforms to ASTM, ISO, JIS and other international standards

Online data management system for packaging testing

Comes with two versions to meet distinct needs of our clients:

The Cloud Version

- Consist of 6 functional modules: Test Management, Target Management, Instrument Management, File Management, Settings, and Online Support
- Cloud services: storage, calculation, and analysis of mass test data
- Automatically upload original test data to the cloud server to guarantee data security.
- Intelligent statistical analysis of test results
- Easily accessible through the internet on PCs, laptops, mobile phones, and other devices anywhere and anytime, to check and review the real time test results and historical test reports, as well as analytical graphs and statistical information

The Intranet Version

- Featured with storage space for vast data, correlation analysis, trend analysis, and statistical analysis of test data, as well as report printing and data export functions
- Easily accessible via computers through Intranets
- “One Click Upgrade” to the powerful “Cloud Version”

Functionality

- Test precision is better than 0.5% of full scale which effectively ensures the accuracy of test results
- 16 independent test modes are available, including compression force, tensile strength, and peel strength of medical appliances and foams
- Professional pressure sensor monitors internal pressure changes during the test
- The system supports bidirectional test mode of stretching and compression, and test speeds can be freely adjusted based on user requirements
- Intelligent design of over-travel protection, overload protection, and automatic position reset for safe test operation
- Test parameters and test results could be displayed in different units. Data comparison analysis is available for users to review

Design

- Embedded computer control system provides safer and more reliable data management as well as test operation
- The instrument can be easily operated with a mouse, a keyboard, and a monitor, without requiring a PC.
- The instrument is equipped with four USB ports and dual Internet ports for convenient data transmission.
- Sophisticated energy consumption and test environment monitoring and analysis functions for better test accuracy and reliability. (Relevant sensors are needed. For more information, please refer to the configuration in Technical Specifications.）

Software

- **Interface:** Windows-based operating interface
- **Statistics:** easy calculation for historical results, instrument usage, energy consumption, and large statistical information
- **Data Comparison:** by presetting target value and range, the system automatically generates data comparison after each test and intelligently judges whether the specimen passes or fails the test
- **Test Report:** can provide detailed test reports in various customized patterns
- **Energy Consumption and Test Status Monitoring (Additional Sensors Required):** the system monitors and displays real-time voltage, current, and energy consumption of instrument as well as ambient temperature and relative humidity during the test, which serves to evaluate test data reliability
- **User Management:** multi-level account management for better data management and protection
- **Operation Log:** system automatically records all the operations by the user, which is easy to review

Test Standards

This instrument conforms to the following standards:
ASTM E4, ASTM D882, ASTM D1938, ASTM D3330, ASTM F88, ASTM F904, ISO 37, JIS P8113, GB 8808, GB/T 1040.1-2006, GB/T 1040.2-2006, GB/T 1040.3-2006, GB/T 1040.4-2006, GB/T 1040.5-2008, GB/T

4850-2002, GB/T 12914-2008, GB/T 17200, GB/T 16578.1-2008, GB/T 7122, GB/T 2790, GB/T 2791, GB/T 2792, GB 14232.1-2004, GB 15811-2001, GB/T 1962.1-2001, GB 2637-1995, GB 15810-2001, QB/T 2358, QB/T 1130, YY 0631-2007, YBB 00042002, YBB 00112004

Applications

This instrument can be used to measure the following test items:

Basic Applications		**Extended Applications (Additional Accessories Required)**	
Tensile Test	Puncture Test of Rubber Closures	Seal Performance Test of Hemostix	Pullout Force Test of Rubber Closures
Test of Tensile Strength and Elongation Rate	Break Test of Ampoule Bottles	Opening Force Test of Jelly Cups and Yogurt Cups	Unwinding Force Test of Adhesive Tapes
Test of Tensile Strength at Break	Sliding Resistance Test of Hypodermic Syringe	Tear Test Using Trouser Method	Peel Test of Protective Films
Tear Resistance Test	Seal Performance Test of Hypodermic Syringe	Peel Test of Release Paper	Opening Resistance Test of Combined Covers
Heatseal Strength Test	Puncture Test of Hypodermic Needle	90 Degree Peel Test of Adhesive Tapes	Puncture Test of Plastic Films
90 Degree Peel Test	Fastness Performance Test of Hypodermic Needle and Needle Hub	Tensile Stress Test of Ropes at Break	90 Degree Peel Test of Magnetic Cards
180 Degree Peel Test	Fastness Performance Test of Hypodermic Needle Cap and Needle Hub	Pullout Test of Cosmetic Brush Hair	Pullout Test of Toothbrush Hair
	Compression Test of Plastic Blood Bags	23 Degree Pullout Test of Bottle Caps	Opening Force Test of Oral Liquid Caps
		Tear Resistance Test of Adhesive Binding Books	Peel Test Using Floating Rollers
		Compression and Deformation Test of Foams	

Technical Specifications

Test Specs	Load Cell Capacity	250 N (Standard) 50 N, 100 N, 500 N (Optional)
	Stroke	500 mm
	Test Accuracy	Better than 0.5% FS
	Test Speed	Forward 10 50 100 150 200 300 mm/min (Standard)

		Backward 10 50 100 150 200 300 mm/min (Standard)
	Specimen Width	30 mm (Standard Grip) 50 mm (Optional Grip)
Environment Monitoring Specs (Optional)	Voltage Monitoring Range	AC 0 ~250 V, with ±0.5% accuracy
	Current Monitoring Range	0 ~15 A, with ±0.5% accuracy
	Energy Analysis Accuracy	±0.5%
	Environmental Temperature Monitoring Range	-10°C ~55°C, with ±0.1°C accuracy
	Environmental Humidity Monitoring Range	0 ~100% RH, with ±2% RH accuracy
Other Specs	Instrument Dimension	365 mm (L) x 585 mm (W) x 960 mm (H)
	Power Supply	AC 110 V 60 Hz
	Net Weight	68 kg
Configurations	Standard	Mainframe (including Wireless Data Interface), Professional Software, LCD Monitor, Keyboard, Mouse, Universal Grips
	Optional	Environment Monitoring Sensors (including voltage, current, temperature, and humidity sensors), Load Cell, Standard Roller, Testing Plate, Sample Cutter, Floating-roller Grips, Customized Grips, Printer (compatible with PCL3), and other Test Accessories, e.g. Puncture Test of Rubber Closures in Antibiotic Bottles and Hypodermic Needles, Break Test of Ampoule Bottles, Seal Test of Plastic Packages under External Pressure, Connection Force Test between Hypodermic Needle and Needle Hub, Pullout Test between Hypodermic Needle and Needle Cap, Sliding Resistance Test of Pistons, Seal Test of Plastic Packages, and Low Speed Unwrapping Device.
	Online Data Management System for Packaging Testing	Wireless Data Transfer Module, High Gain Antenna

Please Note:

- ❖ Pictures used are for illustration purposes only and may differ from the actual product received.
- ❖ Labthink International 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 International reserves the rights of final interpretation and revision.