

- ❖ Online Data Management System 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 plastic films, rubber, paper, conveyor belt, tires and other materials.
- ❖ Conforms to ASTM, TAPPI, ISO 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 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

- Static coefficient of friction and dynamic coefficient of friction can be tested for each specimen
- Sled of specific weight can be customized
- Top quality parts and components made by world famous brands are used to ensure reliable overall product performance

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, energy consumption and inclination angle 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 D1894, ISO 8295, GB 10006, TAPPI T816

Applications

This instrument is designed to determine static and dynamic coefficients of friction for the following materials:

Basic Applications	Plastic Films and Sheets	Static and dynamic coefficients of friction for plastic films, sheets, foils, aluminum foils, aluminum foil composite films and other materials
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	Paper and Paperboard	Static and dynamic coefficients of friction for paper and paperboard
	Textiles, Non-woven Fabrics and Woven Bags	Static and dynamic coefficients of friction for textiles, non-woven fabrics and woven bags
	Rubber and Convey Belt	Static and dynamic coefficients of friction for rubber products and convey belts
	Printing Matters	Static and dynamic coefficients of friction for printing matters
	Waterproof Materials	Static and dynamic coefficients of friction for waterproof materials
	Metal Materials	Static and dynamic coefficients of friction for metal materials
	Mobile Phone Screen and Leathers	Static and dynamic coefficients of friction for mobile phone screen and leathers
Extended Applications (Additional Accessories Required)	Grains	Static and dynamic coefficients of friction for grains against the metal materials
	Hair	Static and dynamic coefficients of friction for hairs
	Pipes	Static and dynamic coefficients of friction for pipes
	Ball Shaped Materials	Static and dynamic coefficients of friction for ball shaped material against even leveled materials
	Medical Tubes	Static and dynamic coefficients of friction for medical tubes and artificial skin
	Lacquered Wire	Static and dynamic coefficients of friction for lacquered wire against even leveled materials

Technical Specifications

Test Specs	Capacity Range	0~5 N (customization available)
	Test Accuracy	0.5% FS
	Stroke	70 mm, 150 mm
	Sled Weight	200 g (customization available)
	Test Speed	100 mm/min, 150 mm/min (adjustable)
Environment Monitoring Specs (Optional)	Voltage Monitoring Range	AC 0~250 V, with $\pm 0.5\%$ accuracy
	Current Monitoring Range	0~15 A, with $\pm 0.5\%$ accuracy
	Energy Analysis Accuracy	$\pm 0.5\%$
	Environmental Temperature Monitoring Range	-10 °C~ 55°C, with $\pm 0.1^\circ\text{C}$ accuracy
	Inclination Angle Monitoring Range	-10°~10°
	Environmental Humidity Monitoring Range	0 ~ 100% RH, with $\pm 2\%$ RH accuracy

Other Specs	Instrument Dimension	665 mm (L) x 360 mm (W) x 230 mm (H)
	Power Supply	AC 110 V 60 Hz
	Net Weight	34 kg
Configurations	Standard	Mainframe (including Wireless Data Interface), Professional Software, LCD Monitor, Keyboard, Mouse, Sled of 200g
	Optional	Environment Monitoring Sensors (including voltage, current, temperature, humidity and inclination sensors), Customized Sled, Printer (compatible with PCL3)
	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.
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