KASON-ETT Electronic Tearing Tester

(The picture is for reference only)

Introduction:

The microcomputer-controlled tear resistance tester is manufactured according to the Elmendorf method. It is specifically designed for testing the tear resistance of films, sheets, flexible PVC, polyvinylidene chloride (PVDC), waterproof membranes, woven materials, polyolefins, polyesters, paper, cardboard, textiles, and non-woven fabrics. This instrument is simple to operate, reliable, and technologically advanced. Test data is displayed digitally, and test reports are printed. It is an indispensable piece of equipment for research institutions, composite film manufacturers, paper mills, the packaging industry, and quality inspection departments.

Features:

1. Employing a high-precision angle sensor, the instrument achieves a resolution of 0.1mN, ensuring test accuracy within ±1%. This instrument is currently one of the most accurate tear strength testers available in China, and users can verify the readings using their own weights.

2. The included weighing weights allow for easy calibration at any time. The built-in pendulum friction compensation device reduces the impact of friction on the test, resulting in more accurate and stable results.

3. The touchscreen features a Chinese display and a user-friendly interface. It automatically completes tests, has test data statistical processing functions, and a mini printer for output. Automatic pendulum release control and automatic result memorization and display reduce human error, making it easy to operate and ensuring stable and accurate results.

4. The instrument comes with dedicated calibration weights and a built-in calibration program, facilitating calibration by metrology and calibration departments (third parties). During calibration, simply enter the calibration test program, screw the calibration weights into the calibration screw holes, and the reading error can be easily calibrated.

Test principle: The pendulum is raised to a certain height to give it potential energy; when the pendulum swings freely, it uses its stored energy to tear the sample; the computer control system calculates the energy consumed when tearing the sample, thus obtaining the force required to tear the sample.

Standards:

This instrument meets multiple national and international standards, including GB11999, GB/T 455, ISO 1974QB/T 1050, IS P8116, and TAPPI T414.

Specification:

Measurement range	A-level: 10-8000mN, B-level: 8000-16000mN;
Resolution	0.1mN
Tear lever arm	104±1mm
Initial tear angle	27.5 °±0.5 °
Tear distance	43±0.5mm
Jig size	25×15mm
Jig distance	2.8±0.3mm
Sample cut length	20±0.5mm
Sample size	50*63mm
Display method	High-resolution true-color industrial touch screen

Control method	Dedicated tear strength testing and control software
Data output method	Thermal or dot matrix printers are available (optional).
External Dimensions	450*330*440mm
Power Supply	220VAC 50Hz / 120VAC 60Hz
Net Weight	About 26KG
Operating Environment	Indoor temperature 20±10 °C; relative humidity <85%; clean with little dust, free from strong magnetic fields and strong vibration sources.
※ Note: For users with special needs, our company can provide customized production within our capabilities to meet their requirements.	

Product Configuration:

Standard configuration: Main unit, range weights, power cord, printer, technical documents; Optional accessories: Weighting weights, pneumatic clamps, sampler, non-standard customization services;

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KASONTEST®

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