

KASON-TST300 Horizontal Paper Tensile Strength Tester



(The picture is for reference only)

Product Introduction

This instrument can test the tensile strength, elongation, breaking length, tensile energy absorption, tensile index, and tensile energy absorption index of paper and paperboard samples. It can accurately sense minute values and measure relevant paper parameters, including wet strength. It is designed and manufactured according to GB/T12914-2008 (Determination of Tensile Strength of Paper and Paperboard).

Technical Parameters:

1. Measuring Range: 0-300N (Other ranges available: 30N, 50N for toilet paper)
2. Maximum Test Force: 300N
3. Structure: Horizontal
4. Resolution: $\leq 0.1\text{N}$
5. Measurement Accuracy: $\leq 1\%$
6. Clamp Spacing (mm/min): Adjustable from 30-300mm
7. Tensile Speed, Return Speed: 1-500mm/min (Digital stepless speed regulation)
8. Display: Touchscreen
9. Fixture: Paper-specific tensile clamp
10. Dimensions (mm): 1000(H) \times 450(L) \times 260(B)

11. Power Supply (kW): 0.36

12. Weight (kg): 50

Feature:

1. Uses imported motor, low noise, precise control;
2. Large LCD screen, Chinese menu. 1. Real-time display of tensile time, load tension, etc. during testing;
2. Thermal printer: low noise and clearer display;
3. Direct measurement results: After completing a set of tests, the measurement results can be easily displayed directly, and statistical reports, including average value, standard deviation, and coefficient of variation, can be printed.
4. Variable specimen size and tensile speed: For commonly used standard-sized specimens, tensile tests can be performed directly at a specified speed. Appropriate tensile speeds can also be set as needed to change the test length and width of the specimen.
5. High-speed single-chip microcomputer and high-speed sampling module ensure real-time measurement data (maximum force value will not be lost);
6. Data communication (optional): The instrument is equipped with a standard serial RS232 interface, which can provide data communication for a host computer integrated reporting system.
7. Dedicated test fixtures facilitate specimen handling and avoid the influence of fixtures on test results. An immersion tank is also included for automatic wet tensile testing.

FOCUS IN MATERIAL TEST

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