

HST-TST500 Paper Tensile Strength Tester



Product Introduction

This instrument can test the tensile strength, tensile index, breaking length, and modulus of elasticity of samples such as paper and paperboard. It is designed and manufactured according to GB/T12914-2008 (Determination of Tensile Strength of Paper and Paperboard).

Technical Parameters:

1. Measuring Range: 500N (Other ranges available: 30N, 50N for toilet paper)
2. Display: 7-inch touchscreen
3. Structure: Single-column type
4. Load Measurement Accuracy: Grade 1
5. Speed Accuracy: $\pm 2\%$
6. Speed Range (mm/min): 1-500
7. Displacement Measurement Accuracy: 0.1mm
8. Force Accuracy: 0.01N
9. Fixture: Paper-specific tensile fixture
10. Fixture Distance: Automatically adjustable (adjusts automatically according to set distance)
11. Result Processing: Automatic tabular processing, maximum, minimum, average value/force-displacement curve/force-time curve
12. Data Communication: WIFI/USB/remote transmission, data management function (optional)
13. Software: Annie Testing and Control Software V1.0
14. Data Printing: Integrated micro printer

- 15. Tensile Space (mm): 200
- 16. Net Dimensions (mm): Length x Width x Height 400×420×850
- Packaging Dimensions (mm): Length x Width x Height 480×450×900
- 17. Power Supply (Kw): 0.36
- 18. Weight (kg): 40

Product Features:

- 1. The entire testing process is controlled by a single-chip microcomputer, with one-button testing and automatic return to the original position;
- 2. Professional paper testing software automatically calculates tensile strength, tensile index, breaking length, and modulus of elasticity.
- 3. High-precision sensor, force value accurate to 0.001N.
- 4. Features curve display and query functions.
- 5. Compact product size, easy to place and operate.

A remote data transmission management system can be added to achieve wireless data transmission and multi-specification sample data management and analysis.

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