

Digital Bursting Strength Tester

This digital bursting strength tester determines the bursting strength and distension of materials like fabrics, papers, and boards using hydraulic loading. Its intelligent control algorithm ensures accurate burst time, and Windows-based software analyzes and prints test results.



Product Overview

Precision Burst Testing

The Digital Autoburst Strength Tester is a professional-grade instrument engineered to determine the bursting strength and distension of woven, knitted, and non-woven fabrics, as well as papers and boards. Utilizing hydraulic loading under a rubber diaphragm, it offers both manual and automatic operation modes for versatile testing. With an intelligent control algorithm and Windows-based analysis software, this device ensures accurate, repeatable results and comprehensive reporting for quality control environments.

Key Performance Metrics

Measuring Range

6 MPa

Max Pressure

0.002 MPa

Min Pressure

Max Bursting Time	99.9 s
Max Distension Height	70 mm

Technical Specifications

Available Clamping Devices

- 112.8mm (100cm)
- 79.8mm (50cm)
- 35.7mm (10cm)
- 31.5mm (7.5cm)
- 30.5mm (7.3cm)
- 30mm

Diaphragm Dimensions	Outside diameter: 80mm, Thickness: 0.9 ± 0.1mm
Volume Increase Rate	100-500 ml/min (Manual or Automatic)
Power Supply	AC220V 50Hz 2000W

Standards & Compliance

Supported Standards	ASTM D3786, ERT 80-4-20, GB/T 7742.1, BS EN ISO 13938-1, BS 3424-6-B, ISO 3303-B, ISO 2758, ISO 3303.2, ISO 3689, JIS L1018, JIS L1093, IWS TM170
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Physical Dimensions

Size and Weight

Attribute	Value
Dimensions (LxWxH)	750x500x950mm
Weight	160kg