

Vertical Flame Retardant Performance Tester

This tester determines the flame, smoldering, and carbonization tendencies of textiles. It is suitable for flame-retardant woven fabrics, knitted fabrics, coated products, and quilted products.



Overview

Professional Flame Retardant Performance Testing

This vertical multifunctional tester is a professional-grade instrument designed to assess the flame, smoldering, and carbonization tendencies of various textile products. It supports a wide array of testing methods including vertical, horizontal, and 45-degree angled tests, making it a versatile solution for checking the flame-retardant properties of woven, knitted, and coated fabrics. The system is engineered for high precision, featuring adjustable flame heights and accurate digital timing to ensure reliable quality control and research performance.

Technical Specifications

Timing Range

999.9 s

Maximum Timing

0.1 s

Timing Accuracy

Dimensions and Weight

Metric	Dimension
Outer Box Size	650mm x 650mm x 860mm
Inner Box Size	600mm x 640mm x 740mm
Net Weight	40 kg

Power Requirements

- Voltage: AC 220V \pm 10%
- Frequency: 50Hz
- Power Consumption: 40W (excluding exhaust fan)
- Exhaust Fan Output: AC 220V 3A

Testing Capabilities

Supported Test Methods

Vertical Method, Horizontal Method, 45° A Method, 45° Appendix A Method, Small 45° Method, Quilted Products Test

Compliance and Quality

Standards Compliant

GB/T 5455 • FZ/01028 • GB/T 14645 • GB/T 14644 • FZ/T 81005