

Fabrics Friction Electricity Density Tester

This fabrics friction electricity density tester determines static electricity generated by fabric friction in laboratory settings. It measures the charge amount per unit area after charging a sample with a friction material and injecting it into a Faraday tube.



Overview

Precision Static Testing

This fabrics friction electricity density tester is designed to determine the static conditions of fabrics under laboratory conditions. By charging a sample with a predetermined friction material and measuring the potential via a Faraday tube, it accurately calculates the charge amount per unit area. This instrument is essential for quality control and research, providing highly automated and repeatable testing capabilities for anti-static clothing and textile materials.

Technical Specifications

Measuring Range

2 \varnothing

Measuring Range

Measurement Accuracy $\pm (0.5\% \text{ of reading} + 2 \text{ digits})$

Input Impedance 1000000000000 \varnothing

Physical Attributes

Dimensions 285 x 295 x 115 mm

Weight 3.5 kg

Power & Operation

Power Supply AC 220V 50Hz

Compliance & Standards

Certifications

CE • ISO 9001:2000

Applicable Standards FZ/T01060, ZBW4008, GB 12059, GB/T12703, JIS L1094

Key Features

Instrument Features

- High degree of automation with programmable test duration
- Automatic test stop functionality for safe operation
- Compact, robust design for reduced operating noise
- Integrated casters and brake device for easy mobility