

Electromagnetic Radiation Shielding Tester

This fabric anti-electromagnetic radiation performance tester is used for testing the electromagnetic shielding effectiveness of materials. It is suitable for textiles, plastic sheets, sheet metal, and conductive films.



Overview

Electromagnetic Radiation Shielding Tester

This high-precision testing system is designed to evaluate the electromagnetic shielding effectiveness of diverse materials, including textiles, conductive films, metal meshes, and sheet metals. Utilizing the international coaxial flange test method, it provides robust data on absorption and reflection properties across a wide frequency spectrum. The system is engineered for industrial-grade accuracy, offering automated data acquisition, comprehensive curve analysis, and versatile connectivity for professional laboratory environments.

Compliance & Standards

Certifications & Standards

GB / T23326, GB / T25471, ASTM D4935, SJ2054, CE, ISO 9001:2000

Key Features

System Capabilities

- Coaxial flange test method for high accuracy
- Full-frequency, list, and point frequency scanning
- Automated signal transmission and data processing
- Real-time LCD curve display
- Integrated RS232 and USB data interfaces

Technical Parameters

Frequency Performance

300 KHz

Min Frequency

3000 MHz

Max Frequency

1 Hz

Frequency Resolution

Signal Specifications

| Parameter | Value |
|---------------------|------------------------|
| Frequency Stability | $\pm 5 \times 10^{-6}$ |
| System Impedance | 50 Ohms |
| Output Level | -45dBm to +10 dBm |
| Directionality | ± 5 dB |