

Ohm-Stat Rt-1000 Megohmmeter

Total ESD Insight. One Instrument.



OVERVIEW

The Ohm-Stat® RT-1000 is a compact, portable megohmmeter engineered for comprehensive ESD materials testing in a single instrument. Measuring surface resistivity, resistance (RTT and RTG), volume resistance, relative humidity, and temperature simultaneously, it delivers the complete environmental and electrical data required for full ANSI/ESD S20.20 compliance.

Designed and manufactured in the USA, the RT-1000 is factory-calibrated to NIST-traceable standards and CE mark certified, making it the trusted choice for quality control, incoming inspection, engineering, and compliance verification across electronics manufacturing, cleanrooms, aerospace, healthcare, and pharmaceutical environments.

APPLICATIONS

- Electronics Manufacturing
- Cleanroom / Critical Environments
- Aerospace & Defense
- Healthcare & Medical Devices
- Data Centers & Server Facilities
- OEM & Industrial Assembly

KEY FEATURES & BENEFITS

Complete Multi-Parameter Testing in One Instrument

Measures surface resistivity, resistance (RTT and RTG), volume resistance, relative humidity, and temperature simultaneously, eliminating the need for multiple devices and ensuring full ANSI/ESD S20.20 compliance in a single test cycle.

Auto-Ranging Voltage — No Manual Switching Required

Automatically selects the correct test voltage across the full measurement range, eliminating operator error and ensuring every reading conforms to EOS/ESD standards right out of the box, every time.

Broad Material & Application Compatibility

Tests mats, floor coatings, chairs, smocks, wrist straps, heel grounders, bags, and packaging using interchangeable RTT, RTG, parallel probe, and optional concentric ring electrode configurations. One kit covers your entire ESD audit.

NIST-Traceable Calibration, Made in the USA

Adjustable resistance tolerance limits (100 kilohms to 100 megohms; upgrade to 1000 megohms available). RoHS, CE, and EOS/ESD S.20.20 compliant, CE marked and NIST listed, and ISO 9000 conformance-ready.

PRODUCT SPECIFICATIONS

Resistance Range	$10^3 - 10^{12}$ ohms
Test Voltage	Auto-ranging (10V / 100V)
Accuracy	$\pm 10\%$ ($10^3 - 10^8 \Omega$), $\pm 15\%$ ($10^9 - 10^{10} \Omega$), $\pm 25\%$ ($10^{11} - 10^{12} \Omega$)
Temperature Range	32°F – 100°F (0°C – 38°C)
Humidity	Measured and displayed with each reading
Tests Supported	Surface Resistivity, RTT, RTG, Volume Resistance



COMPLIANCE & STANDARDS

ANSI/ESD S20.20 | REACH, RoHS, and Conflict Mineral compliant | CE | ISO