



RT-1000 Digital Display Megohmmeter

Best meter according to experts!!

MEASURES - RESISTIVITY, RESISTANCE, RTG, RTT, VOLUME RESISTANCE, TEMPERATURE, AND HUMIDITY

Applications

The Ohm-Stat™ RT-1000 Megohmmeter measures **Surface Resistivity** using parallel electrodes and concentric rings. **Tests Resistance To Ground (RTG), Resistance Between Two Points (RTT)**, Volume Resistance using two 5lb. 2.5" disc probes, and **humidity** and **temperature** during the resistivity-resistance testing. Ohm-stat™ RT-1000 tests each sleeve of a garment for continuity in addition to performing **dissipative seating** tests.

Conforms to ANSI/EOS/ESD (S4,S7.1,S12,S2.1), ASTM-F150, and NFPA 99A standards.

The Ohm-Stat™ RT-1000 Megohmmeter is designed to quality inspect incoming materials such as floor finishes, floor mats, table mats, conductive floor tiles, work surfaces, paints, bags, wrist straps, common point ground cords, footwear, packaging materials, clothing, and ESD chairs in static controlled areas.

Applications include engineering, maintenance, quality control, incoming inspection, manufacturing, and training.

Major Specifications

- Range: $10^3 - 10^{12}$ ohms
- Measures Temperature: 32°F-100°F or 0°C-37°C
- Measures resistance/resistivity, humidity, and temperature
- Automatic zeroing and power shut off
- CE approved
- Conforms to EOS/ESD, NFPA, ANSI, UL, ASTM, Military, EIA, and CECC standards
- 10 volts and 100 volts - test voltages
- LCD Display - Easily read
- Automatic range indicator



Sold with:

- Parallel, two 5lb., 2.5" probes, seating probe, garment clamps, and earth ground probe
- Coil cords, grounding hardware, and instructions
- One-year limited warranty
- NIST Certificate
- 9v DC alkaline battery
- AC Adapter: 120v or 220v
- Insulated foam-lined carrying case

Optional Accessories

- 5lb. concentric ring probe
- Nickel cadmium re-chargeable battery
- Extended Warranty

Static Solutions Inc.

Testing Instructions:

Resistivity:

Place the Ohm-Stat™ RT-1000 Megohmmeter on the material to be tested. After selecting either 10 or 100 volts, press the test button until the reading appears on the LCD display. The humidity, temperature, and electrical resistivity (displayed in ohms/sq.) values will appear on the meter display. The meter will turn itself off after approximately 45 seconds. Alternative method is to use the optional concentric ring probe.

Resistance/RTG/RTT:

Resistance/RTT: Position the two 5 lb. probes 3 ft. away from each other on the surface to be measured. Attach the 3.5mm leads into the meter and then insert the banana plug ends into the 5 lb. test probes. Press the meter power button until the resistance reading is displayed on the LCD screen in ohms.

RTG: (Resistance to ground) Position one probe on the surface to be tested 3 ft. away from the common point ground. Attach one cord to the meter and the other to the common point ground position. This may be at the snap of the earth ground point. Press the meter power button until the reading is displayed in ohms.

Seating:

Position an ESD wheel or drag chain of the seat over the footplate probe. Connect the leads to each electrode, or connect directly with a alligator clip. Press the test button and hold for 15 seconds. Repeat the test by placing the electrode perpendicular to any spot on the armrest and hold for 15 seconds. Repeat the test on other points of the chair, such as the middle of the backrest, middle of the rear of backrest, or on either end of the armrest. Refer to ESD-STM2.1 - 1997 Specifications.

Garments

Sleeve-to-Sleeve: Hang the garment from each sleeve with clamps and insert one coil cord into one clamp, and insert the other coil cord into the other clamp. Press the test button for 15 seconds. Reading will be displayed in ohms.

Point-to-point: Position the garment on an insulative surface, position one electrode on the garment, and place the second electrode on another point on the garment. Press the test button for 15 seconds. Refer to ESD-STM2.1 - 1997 Specifications.

To select the test voltage of either 10 or 100 volts, position the voltage switch to the desired setting. The meter will turn itself off automatically after approximately 45 seconds. Refer to the EOS/ESD specifications for complete descriptions.

Warranty: Static Solutions expressly warrants that for a period of 1 year from the date of purchase any Static Solutions product will be free of defects in materials and will function within its specifications. Within the warranty period, the product will be repaired or replaced at Static Solutions option with no cost to the customer as long as Static Solutions receives notice during the warranty period. Defective products must be shipped prepaid to Static Solutions, Inc.'s factory. Call Static Solutions customer service at 978.310.7251 for a return authorization number. Include a copy of the invoice, packing slip, or other proof of purchase.

Warranty Exclusion: The foregoing express warranty is made in lieu of other product warranties express and implied, including merchantability and fitness for a particular purpose which are specifically or indirectly dis-claimed. The express warranty will not apply to defects or damage due to neglect, misuse, accidents, alterations, operator error, failure to properly maintain, follow instruction, or failure to clean or repair products.

Limit of Warranty: In no event will Static Solutions or seller be responsible or liable for special, incidental or consequential losses or damages, whether based on contract or the use of or inability to use the product. Before using the product users shall determine the suitability of the product for their intended use. The users assume all risk and liability whatsoever in connection therewith. Fulfillment of Static Solutions warranty obligations will be the customer's exclusive remedy and Static Solutions and seller's limit of liability for any breach of warranty or otherwise.



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Static Solutions Inc. only sells through distributors.

Please call us at 978-310-7251

Or log on to our website at www.staticsolutions.com,
to find your local distributor.

For additional Ohm-Shield™ product literature,
call or fax the Static Solutions, Inc. sales department

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