RT1000 - Megohmmeter Fahrenheit NIST Ohm-Stat Surface Resistivity Meter

Description

The Ohm-Stat RT-1000 Megohmmeter is designed to test all conductive, antistatic, and static dissipative surfaces for electrical resistivity/resistance according to **EOS/ESD, CECC, ANSI, ASTM and, UL** test procedures. It is easy to use and is of high quality and dependability. The meter also measures relative humidity and temperature, both of which affect electrical properties, aiding in the identification of costly rejects.

Specifications

- Measures resistivity/resistance 10^3-10^{12}ohms

- Measures **relative humidity**-10% to 90% RH +/- 5%

- Measures **temperature**-32 ^{o}F to 100 ^{o}F or 0°C to 37 ^{o}C +/- 2 deg.

- 10v/100v dual test voltage range

- Includes:

    o Two 5 lbs., 2.5 probes

    o Two 3 parallel surface resistivity probes

- Certified and calibrated with NIST traceability

- Rechargeable battery capability

- Includes Foam lined carrying case

- Light weight 15oz instrument

RT-1000 Calibration Instructions

1. Use a 1% 10^3 – 10^{12} ohms resistors, high accuracy relative humidity hygrometer, and high accuracy thermometer.
2. Open meter being careful not to disturb or break the two wires connecting the power button to the circuit board.
3. Observe on the right lower side of the meter printed circuit board three (3) calibration pots.
4. ALLOW THE METER TO EQUILIBRATE AND NORMALIZE IN THE ENVIRONMENT FOR 2 HOURS BEFORE TESTING.
5. Using the supplied coil cords attach the alligator clips to the banana plug ends of the cords.
6. Insert the 3.5mm ends into the meter jacks.
7. Attach the ends of the resistors to the ends of the alligator clips.
8. The top one is for humidity. The middle one is for resistivity. The bottom one is for temperature. Adjustment is done with a small screwdriver. Clockwise is to increase the value, counter clockwise is to decrease the value.
9. Press the power button and compare the resistor value, humidity, and temperature to the parameter to be calibrated.
10. Release the power button and slowly turn the correct adjustment pot.
11. Re-press the power button, and observe the LCD screen.
12. Re-press and adjust the pot if necessary.
13. Close case and tighten the 4 screws.

Press the power button to verify that the meter is working.

"The Customer Company"™