



# ACL 800 Digital Megohmmeter

## Measures temperature, humidity, and resistivity

The ACL 800 Digital Megohmmeter is a dependable and easy-to-use audit kit that is designed to test static dissipative surfaces for resistance according to industry standards. Point-to-point (RTT) and resistance-to-ground (RTG) tests are easy to perform with the powder-coated and calibrated five-pound electrodes. The installed conductive rails make spot-checking convenient.

Unlike analog meters with LEDs, test results are shown in precise actual numeric value rather than decade value in logarithmic scale. Since ambient conditions can affect resistivity, the ACL 800 measures resistivity, temperature, and humidity with the push of one button, making recording easy.

### Ideal for testing in accordance with:

ANSI/ESD STM2.1 Garments – Resistive Characterization  
 ANSI/ESD STM4.1 Worksurfaces – Resistance Measurements  
 ANSI/ESD STM7.1 Floor Materials – Characterization of Materials  
 ANSI/ESD STM9.1 Footwear – Resistive Characterization  
 ANSI/ESD SP9.2 Footwear – Foot Grounders Resistive Characterization  
 ANSI/ESD STM97.1 Footwear/Flooring System – Resistance Measurement in Combination with a Person  
 ANSI/ESD STM12.1 Seating – Resistive Measurements  
 ESD TR53 Compliance Verification of ESD Protective Equipment and Materials

**Product# ACL 800 - Fahrenheit**

**Product# ACL 800C - Celsius**

*All kits include a tester with conductive rails installed, two 5-lb probes, two stereo-to-banana cables, one banana-to-banana grounding cable, 9-volt battery, foam-lined carrying case, and traceable calibration certificate. Fahrenheit models include 110v power adapter.*

### Ideal for the following applications:

- Electrical device manufacturing
- Quality control and incoming inspection
- Compliance verification

### FEATURES:

- ✿ Measures resistivity, temperature, and humidity
- ✿ Alphanumeric LCD scale shows precise value
- ✿ Resistivity range:  $10^3$  -  $10^{12}$  ohms/square
- ✿ Resistance range:  $10^3$  -  $10^{12}$  ohms
- ✿ Relative humidity range: 10% to 90% RH
- ✿ Temperature range: 32°F to 100°F (0°C – 37.7°C)
- ✿ Test voltage range:
  - 10 volt:  $1.0 \times 10^4$  -  $1 \times 10^8$  ohms
  - 100 volt:  $1.0 \times 10^6$  -  $1 \times 10^{12}$  ohms
- ✿ Accuracy:
  - 10 volt:  $10^3$  -  $10^8$  ohms:  $\pm 10\%$
  - 100 volt:  $10^6$  -  $10^{10}$  ohms:  $\pm 10\%$
- ✿ Powered by 9-volt alkaline battery
- ✿ Calibration is traceable to NIST
- ✿ Made in USA