



# 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 electrical resistivity and resistance according to industry standards such as ANSI/ESD test methods S4.1, S7.1, and STM11.11. Tests are easy to perform with or without the 5-lb probes.

Unlike analog meters with LEDs, the digital LCD window of the ACL 800 shows test results in actual values rather than the decade within which the measurement falls. Additionally, since ambient conditions can affect resistivity, the ACL 800 measures resistivity, temperature, and humidity with the push of one button, making the ACL 800 the ideal megohmmeter for auditing.

This meter is suitable to use in all facets of material production, including engineering, maintenance, quality control, incoming inspection, manufacturing, research, and sales. It is ideal for the testing of anti-static mats, floor finishes, paints, wrist straps, smocks, foot wear, bags and containers.

### Meter Kit includes:

- ❖ One digital tester with conductive rubber rails for testing resistivity in ohms per square
- ❖ Two 5-lb probes for testing resistance point to point (RTT) and resistance to ground (RTG)
- ❖ Two cables for probes and an additional cable for grounding meter
- ❖ 9-volt battery
- ❖ 110-volt adapter for Fahrenheit models
- ❖ Foam-lined carrying case
- ❖ Calibration certificate traceable to NIST

*Product # ACL 800 is available as a kit with the above items. Shows temperature in Fahrenheit.*

*Product # ACL 800C is available as a kit with the above items with the exception of a power adapter. Shows temperature in Celsius.*

### Specifications:

- ❖ Measures resistivity, temperature, and humidity
- ❖ 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: 10V/100V
- ❖ Accuracy:
  - $10^3$  -  $10^8$  ohms: 10%
  - $10^9$  -  $10^{10}$  ohms: 15%
  - $10^{11}$  -  $10^{12}$  ohms: 25%
- ❖ Alphanumeric LCD scale shows actual values
- ❖ Optional parts available:
  - Concentric ring probe
  - Mini probe for 1" parts
  - Garment clips for smock testing

