



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: 1.0×10^4 - 1×10^6 ohms
 - 100 volt: 1.0×10^6 - 1×10^{12} ohms
- ✿ Accuracy:
 - 10 volt: 10^3 - 10^6 ohms: $\pm 10\%$
 - 100 volt: 10^6 - 10^8 ohms: $\pm 10\%$
- ✿ Powered by 9-volt alkaline battery
- ✿ Calibration is traceable to NIST
- ✿ Made in USA



840 W. 49th Place · Chicago, IL 60609
800.782.8420 · 847.981.9212 · fax 847.981.9278
info@aclstaticide.com · www.aclstaticide.com



ACL, Inc. has been certified by DQS Inc. to ISO-9001 : 2015 Certificate NO. 10002746

Rev. 05/15/2023 MKB