



# ACL 380 Resistivity Meter

The ACL 380 Resistivity Meter is a lightweight tester for measuring surface resistivity in ohms per square according to parallel resistivity probe method ASTM D257.

Easy to use, this meter shows values through an LED scale that is coded with colors to signify conductive, dissipative, and insulative. There is also a colored “warning” stage to signal to the auditor that the material is at the higher end of the dissipative range and is close to being out of specification. Half decades provide greater accuracy by giving a closer indication to the measurement value.

This meter is designed to be used in all facets of material production including engineering, maintenance, quality control, incoming inspection, manufacturing, research, and sales departments for the testing of anti-static mats, floor finishes, paints, wrist straps, smocks, footwear, bags and containers.

The ACL 380 Resistivity Meter and the ACL 381 Accessory Kit combine to make a dependable audit kit for conductive and dissipative surfaces. It is suitable for point-to-point (RTT) and resistance-to-ground (RTG) tests. When the 5-lb probes are used, this audit kit will comply with IEC 61340-4-1, ANSI/ESDA S4.1 & ANSI/ESDA S7.1.

## Easy to Use:

To measure resistivity in ohms per square, test using the built-in electrodes. To measure resistivity, test using the optional external 5-lb probes. Detailed instructions are found in the ACL 380 manual.

Product #380 includes two cables, 9-volt battery, and calibration certificate.

Product #381 includes two 5-lb probes and a foam-lined carrying case.

## Specifications:

- ✦ Accuracy: +/- 0.25 decade in the dissipative range
- ✦ Power Supply: 9-volt alkaline battery
- ✦ Test Voltage: 10-volts at values less than  $10^6$   
100-volts at values of  $10^6$  and greater
- ✦ Resistivity Limits:  $10^3$  -  $10^{12}$  ohms per square
- ✦ Resistance Limits (when using external probes)  $10^3$  -  $10^{12}$  ohms
- ✦ LED Colors: Green  $10^3$  -  $10^5$   
Yellow  $3 \times 10^5$  -  $10^9$   
Orange  $3 \times 10^9$  -  $10^{10}$   
Red  $10^{11}$  -  $10^{12}$
- ✦ Weight: 8.9 ounces
- ✦ Size: 5 ¼" x 1 ⅜" x 3"