

AE-780 Surface Resistance Meter

The AE-780 is a light weight, pocket-sized, auto ranging surface Surface Resistance Meter. It is designed to test conductive, anti-static, and static dissipative surfaces for electrical resistivity according to the ESDA's parallel resistivity probe method DIN EN100 015/1 & ANSI/ESD-S11.11. it comply to IEC 61340-4-1, ANSI/ESDA S4.1 & ANSI/ESDA S.7.1 when the five punch electrodes are used.

Features:

The AE-780 Surface Resistance Meter is an easy to use tester for measuring surface resistivity. This meter is designed to be used in all facets of material production including engineering, maintenance, quality control, incoming inspection, manufacturing, research, or sales departments for the testing of anti-static mats, floor finishes, paints, wrist straps, smocks, foot wear, bags and containers.

When using the built-in electrodes, the meter's test values for surface resistivity are in ohms per square (although they are displayed in ohms). When using the external five pound electrodes, the meter's test values for resistance are in ohms.

Specifications:

1. Dimension: approx 70mm x 130mm x 35mm
2. Weight: approx. 103 grams
3. Power: Battery operated 9 volt
4. Connections: 2 x 3.5mm jack plug for each earth connection
5. Test Range: 10^3 to 10^{12}
6. Dissipative Range: 3×10^5 to 3×10^9 1/2 Decade between each decade on a logarithmic scale
7. Example: $1 \times 10^5 \times 3.21 = 3 \times 10^5$ (1/2 Decade Measurement) $\times 3.21 = 1 \times 10^6$
8. Method of Measurement: Surface Resistivity (Ohms per square); Point to Point Resistance (Ohms); Accuracy:- +/- 0.5 Decade in Conductive Range; +/- 0.25 Decade in Dissipative Range