

PRODUCT DESCRIPTION

Model NO.: AE-800.

AE-800 Digital Resistance meter:

- dependable and easy to use
- using in all facets of material production
- built-in electrode

AE-800 Digital Resistance Meter



INTRODUCTION

The AE-800 Digital Resistance Meter is a dependable and easy to use audit kit for conductive and dissipative surfaces. 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 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. When using the external five pound electrodes, the meter's test values for resistance are in ohms (although they are displayed in ohms/sq). The AE-800 Digital Resistance Meter kit measures surface resistivity, resistance, temperature and humidity. It is designed to test conductive, anti-static, and static dissipative surfaces for electrical resistivity/resistance according to EOS/ESD, CECC, ANSI, ASTM and UL test procedures. The internal parallel electrodes comply with DIN EN 100 015/1 & ANSI/ESDA-S11.11. The five pound electrodes can be externally connected for tests according to IEC 61340-4-1, ANSI/ESDA S4.1 & ANSI/ESDA S7.1.

AE-800 Digital Resistance Meter Includes:

Tester

Two 5lb probes

One ground cord

Two accordion cables (monaural to banana)

9 volt battery

Foam lined carrying case

Certificate of calibration

TECHNICAL DETAILS

Resistivity: 103-1012 ohms/sq

Resistance: 103-1012 ohms

Relative Humidity: 10% - 90% RH

Temperature: 0° C- 37.7° C IF Celsius model was purchased

Measuring voltage: 10V and 100V

DECADE SCALE

103 = 1 kilohm

104 = 10 kilohms

105 = 100 kilohms

106 = 1 meg ohm

107 = 10 meg ohms

108 = 100 meg ohms

109 = 1000 meg ohms

1010 = 10,000 meg ohms

1011 = 100,000 meg ohms

1012 = 1,000,000 meg ohms

The test value is indicated on the LCD display. Unlike meters with LEDs that indicate only the decade the measured value falls within, the AE-800 will show the actual value. 27 ohms (2.7×10^7) is displayed as 2.7 e07 ohms/sq