



Ground Zero Electrostatics PSI-870 Resistance/Resistivity Indicator

PSI-870 Resistance/Resistivity Indicator Simple, repeatable resistivity and resistance measurements



Item Number
PSI-870

The PSI-870 is an LED indicating, wide range resistance measurement instrument with broad application flexibility. It measures surface resistance in accordance with ESD Association S11.11, surface resistivity in accordance with ASTM D-257, resistance to ground, and resistance point to point. This meter gives simple, repeatable measurements to indicate whether a material is conductive, static dissipative or insulative. The PSI-870 employs parallel bar sensing and features an easy to read LED light scale to measure a wide variety of ESD materials and equipment.

Specifications

Test Voltage & Current:

Nominal 9 volts and 0.006 μ A to 1.0 mA

Power:

One (1) standard 9-volt battery, PROCELL, Eveready #216 (NEDA 1604, JIS 006P, IEC 6F22)

Electrodes:

2 each Machined Brass, One (1) Square Resistivity configuration

Overall Accuracy:

\pm 10%

Changeover Point:

Based on measured resistance; \pm 1/2 decade on logarithmic scale (i.e., 3.16 x 10n)

Changeover Point Accuracy:

\pm 1/2 decade

Resolution:

One order of magnitude

LED Measurement Indications:

11 LED's with Dual scales:

103 to 1012 Ohms/square per ASTM 257 in one decade increments

102 to 1011 Ohms per S-11.11 in one decade increments

Over range indicator light for "Insulative" surfaces, i.e., $>10^{12}$ Ohms/square or $>10^{11}$ Ohms.

Auxiliary Connections:

2 each female banana for resistance range performance verification and direct point to point resistance measurements without electrodes.

1 each Point to Ground Phono Receptacle for resistance measurements using one electrode

1 each Electrode cut off switch

Operation Control:

One (1) PUSH to TEST Button

Operating Range:

40°F to 120°F (5°C to 49°C)

Storage Temp:

-15°C to 60°C (5°F to 140°F), Relative Humidity: 0% to 90%

Battery Life:

40 hours typical

Dimensions:

115 mm x 69 mm x 26 mm

Weight:

6 oz.

Contents

- ☼ PSI-870 Resistance/Resistivity Indicator
- ☼ PSI-870IAC Insulated Alligator Clip
- ☼ PSI-870MAC Alligator Clip
- ☼ Resistance to Ground Lead
- ☼ Operator's Manual

Packaging

Weight: 1 lbs (0.5 kg)
Length: 8.25 Inches (21 cm)
Width: 7.5 Inches (19 cm)
Height: 3.5 Inches (8.5 cm)



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