BONDLINE
STATIC CONTROL SOLUTIONS
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Audit & Test Equipment

Surface Resistivity Kit

(SRM100 & SRM100K)

Description

This unique kit is extremely accurate and indicates resistance to 'half a decade' through the important static dissipative range using 10/100 volt test voltages to ensure more accurate readings. The SRM100 has been designed specifically for the purpose of testing surfaces used in an EPA. It measures in Ohms per Square and meets the requirements of IEC 61340-5 and EN100 015/1 European standard. Automatic auto ranging 10v and 100v test voltages are incorporated into the tester, switching as you move from conductive, dissipative and insulative surfaces. The SRM100 is also capable of testing resistance to ground and point to point resistance. Custom logos and printing can be quoted on request. Manufactured in the United Kingdom.

Supplied With:

- SRM100 meter.
- Conductive foam discs.
- Two weights (2.5 kg / 5 lb).
- All required test leads.
- 9V battery.
- Conductive euro box for easy storage.

SRM100K - Kit
(Supplied in a conductive carry case)

SRM100
(Surface Resistivity Meter)

Registered at Cardiff No. 2933918
Registered Office: Bondline Electronics, Unit 4, Rivermead Industrial Estate, Rivermead Drive, Swindon, Wiltshire, SN5 7EX

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Specifications	
Method of Measurement	Surface Resistivity (Ω per square) Point to point (Ω).
Indicators	Conductive - Green LED 1KΩ (10^3) to 100KΩ (10^5). Dissipative - Yellow LED 300KΩ (3 x 10^5) to 1GΩ (10^9). Conductive - Green LED 3GΩ (3 x 10^9) to 10GΩ (10^10). Insulative - Red LED 100GΩ (10^11) to 1TΩ (10^12).
Relative Humidity	0% to 90% (non-condensing).
Accuracy	+/- 0.5 Decade in Conductive Range. +/- 0.25 Decade in Dissipative Range.
Test Range	1KΩ (10^3) to 1TΩ (10^12). Displayed in 1/2 Decade Steps.
Temperature Range	Operating 5°C to 49°C (40°F to 120°F). Storage - 15°C to +60°C.
Repeatability	+/- 10%.
Weight	150g.
Dimensions	130mm x 70mm x 25mm.
Calibration	Every 12 months by manufacturer.
Test Voltage	Nominal 9 volts-stepped to 100 volts.
Power Supply	9 volt PP3 alkaline battery.

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User Guide

Testing and auditing all elements within the EPA is essential to comply with industry standards. The SRM100 has been designed specifically for the purpose of testing surfaces used in an EPA and measures in Ohms per Square and meets the requirements of IEC 61340-5-1/2 and EN100015/1 European standard.

Automatic auto ranging 10v and 100v test voltages are incorporated into the tester, switching as you move from conductive, dissipative and insulative surfaces. The SRM100 is also capable of testing resistance to ground and point to point resistance.

Set-up and Operation

1) Fit the supplied 9V battery; the battery compartment is located at the rear of the enclosure. The unit is now ready to use. If at any time the battery voltage drops below 6.5 volts the blue battery low indicator will not illuminate during the test.

2) To test surface resistance, place the unit on the surface to be tested and press the test button.

3) To measure resistance to ground, insert one of the supplied test leads into one of the two 3.5mm sockets, located on the top panel of the meter, attaching the other end to your ground point. Press the test button.

4) SRM100K ONLY- To measure the point to point resistance, insert the 3.5mm Jack plug test leads into the 2 x 3.5mm Jack sockets located on the top panel of the meter. Connect the two 2.5kg (51b) weights, to the other end of the test leads via the 4mm banana plugs (Red & Black). Place the weights gently onto the surface that requires testing. Press the test button.

5) GREEN LEDs indicate a conductive reading. Measurements are taken at a test voltage of 10V.

YELLOW / ORANGE LEDs indicate a dissipative reading. Measurements are taken automatically at a test voltage of 100 volts.

RED LEDs indicate an insulative reading. Measurements are taken automatically at a test voltage of 100 volts.

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