

Surface Resistivity Kit

SRM100K

Description

Surface Resistivity Kit is extremely accurate and indicates resistance to 'half a decade' through the static dissipative range using 10/100 volt test voltages to ensure accurate readings. This kit has been manufactured specifically for the purpose of testing surfaces used in an EPA to the latest industry standards. The unit can measure in Ohms per Square or connecting the two leads from to the two 3.5mm connection points to 2 x 2.5kg weights to measure point-to-point resistance. The kit includes 2 x 2.5kg weights, connecting leads, a robust conductive carry case, conductive foam discs, and a unique logarithmic reading system divided up into easy-to-read coloured LEDs. An automatic auto-ranging 10v and 100v test voltages are incorporated in the tester cleverly detected as you move from conductive to dissipative and insulative surfaces. Incorporating the latest requirements of the IEC 61340-5-1 International Standard whilst maintaining the requirements of the EN100 015/1 European Standard.



Manufactured in the United Kingdom 

Key Features

- Kit includes 10V/100 volt meter with automatic auto-ranging voltages which is accurate to within half a decade.
- Meets the requirements of IEC 61340-5-1 and EN100 015/1.
- Methods of measurements: Surface Resistivity (Ohms per square) and Point-to-Point Resistance (Ohms).
- Measures in Ohms per Square.
- Test range: 10^3 to 10^{12} (1K to 1T) displayed in 1/2 decade.
- Power: Battery operated PP3 9 volt.
- Connections: 2 x 3.5mm jack plug for Earth connection.
- Includes a robust conductive carry case for easy storage.
- Manufactured in the United Kingdom.
- Each unit is supplied with a 1 year calibration certificate.
- Full calibration service available. Recommended annually.
- Includes conductive euro box for easy storage.
- CE approved.
- RoHS and REACH compliant.
- UK Conformity Assessed.

Product Code

SRM100K

Description

Full Test Kit: Surface resistivity meter, 2 x 2.5kg weights, conductive foam discs, test leads and conductive carry case.

Standards & Regulations Met:



RoHS compliant



REACH compliant



European Conformity



IEC 61340-5-1 / EN100 015/1



UK Conformity Assessed

**Manufactured to the very highest quality allowing qualification to council directives 89/336/EEC.
Calibration required annually. Certificate of calibration is supplied.**

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Properties	Typical Values
Power	Battery operated PP3 9 volt
Connections	2 x 3.5mm jack plug for Earth connection
Weight (approx.)	103 grams
Dimensions (approx.)	70mm x 130mm x 35mm
Protection	Includes carrying pouch
Test Voltage	Nominal 10 volts to 100 volts
Probes	Standard Tin Copper Mesh, 52mm length
Test Range	10^3 to $10^{12}+$ (1K to 1T) Displayed in 1/2 decade
Dissipative Range	3×10^5 to 3×10^9 1/2 Decade between each decade on a logarithmic scale. Example: $1 \times 10^5 \times 3.21 = 3 \times 10^5$ (1/2 Decade Measurement) $\times 3.21 = 1 \times 10^6$
Method of Measurement	Surface Resistivity: (Ohms per square) Point-to-Point Resistance: (Ohms)
Accuracy	+/- 0.5 Decades in Conductive Range +/- 0.25 Decades in Dissipative Range
Method of Operation	Push button

LED Indicators
10^3 to 10^5 = Green (Conductive)
3×10^5 to 10^9 = Yellow (Dissipative)
3×10^9 to 10^{10} = Orange (Dissipative)
$10^{12} +=$ Red (Insulative)