

Surface Resistivity Meter (Half Decade)

SRM100

Description

This unique Surface Resistivity Meter 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. Specially designed for the purpose of testing surfaces used in the EPA. The unit measures in 'Ohms per Square' and meets the requirements of the IEC 61340-5-1 International Standard and the 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 surface resistance and point-to-point resistance. Each Surface Resistivity Meter is supplied with 1 year calibration certificate. Full calibration service available. Customisation of logos and printing available on request. Meter only – Includes carrying pouch.



Manufactured in the UK 

Key Features

- Manufactured in the United Kingdom
- Dimensions of meter: 70 x 130 x 35mm
- Weight: 103 grams
- Method of operation: Push button
- 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
- Probes: Standard Tin Copper Mesh, 52mm length
- Methods of measurements: Surface Resistivity (Ohms per square), Point-to-Point Resistance (Ohms)
- Accuracy: +/- 0.5 Decade in conductive range. +/- 0.25 Decades in dissipative range
- Uses automatic auto-ranging 10V and 100V test voltages
- Each unit is supplied with 1 year calibration certificate
- Full calibration service available - Recommended annually
- Bespoke customisation of logos and printing, available on request
- Assembled at Bondline
- Includes carrying pouch

Product Code

SRM100

Description

Surface Resistivity Meter, with 9V battery.
70 x 130 x 35mm.

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.



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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)

Calibration required annually. Certificate of calibration is supplied.



Eliminate Costly Static Damage...

Whether you are experiencing unacceptable levels of damage in transit, need a specific cleanroom solution or simply don't know which ESD safe equipment is best for you, we can help!

Request complimentary, no obligation advice by speaking with one of our technical experts today.

