



Half-Decade Surface Resistivity Meter

SRM100

Description

Ideal 10v-100v point-to-point instrument for testing and auditing all elements within the EPA. It is essential to comply with industry standards. The SRM100 and the SRM100K have been designed specifically for the purpose of testing surface used in the EPA. The unit can measure 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. Product is assembled at Bondline and is CE approved.

Incorporating the latest requirements of the IEC 61340-5 technical report. All test instruments are manufactured to the very highest quality allowing qualification to council directives 89/336/EEC.

Full Kit (SRM100K)

The SRM100K (full kit) includes 2 x 2.5kg weights, connecting leads 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.

Custom logos available on request or SRM100NL is supplied unbranded.



Manufactured in the United Kingdom.



Specifications	
Power	Battery operated PP3 9 volt.
Test Range	10 ³ to 10 ¹² + (1K to 1T) Displayed in 1/2 decade.
Weight	103g.
Dimensions	70mm x 130mm x 35mm
Protection	Supplied with carry case.
Test Voltage	Nominal 10 volts to 100 volts.
Probes	Standard Tin Copper Mesh, 52mm length.
Connections	2 x 3.5mm jack plug for earth connection.





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Methods of Measurement	Surface Resistivity: (Ohms per square). Point-to-Point Resistance: (Ohms per square).
LED Indicators	9V Test: 10^3 to 10^5 = Green (Conductive). 100V Test: 3×10^5 to 10^9 = Yellow (Dissipative). 100V Test: 3×10^9 to 10^{10} = Orange (Dissipative). 100V Test: 10^{12} += Red (Insulative).
Accuracy	+/- 0.5 Decade in conductive range. +/- 0.25 Decades in dissipative range. Method of operation:- Push button.
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) $\times 3.21 = 1 \times 10^6$.
Standards	BS EN 61340-5, IEC 613340-5-1/2 and EN100015/1 (European).

Product Code	
SRM100K	Full Test Kit: Tester, weights, foam and test leads.
SRM100	Surface Tester, with 9V battery.

*Calibration required annually.
Certificate of calibration is supplied.*



Important Notice: The information contained within this spec sheet is for guidance only. We make no warranties expressed or implied and assume no liability regarding any use of this information. Half-Decade Surface Resistivity Meter, March 3rd 2020.