

# Surface Resistance Meter

10v / 100v point-to-point surface resistivity and resistance to the ground testing meter, ideal for testing EPA to the latest industry standards.

## Features

- Supplied in a conductive carry case



Specifications	
Method of Measurement	Surface resistivity (Ohms per square) Point to point (Ohms)
Indicators	Conductive - green LED 1K Ohms ( $10^3$ ) to 100K Ohms ( $10^5$ )
	Dissipative - yellow LED 300K Ohms ( $3 \times 10^5$ ) to 1G Ohms ( $10^9$ )
	Conductive - green LED 3G Ohms ( $3 \times 10^9$ ) to 10G Ohms ( $10^{10}$ )
	Insulative - red LED 100G Ohms ( $10^{11}$ ) to 1T Ohms ( $10^{12}$ )
Relative Humidity	0% to 90% (non-condensing)
Accuracy	+/- 0.5 decade in conductive range +/- 0.25 decade in dissipative range
Repeatability	+/- 10%
Weight	150g
Dimensions	130mm x 70mm x 25mm
Power Supply	9 volt PP3 alkaline battery
Test Voltage	Nominal 9 volts-stepped to 100 volts
Test Range	1K Ohms ( $10^3$ ) 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

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## User Guide

Testing and auditing all elements within the EPA is essential to comply with industry standards.

The Surface Resistivity Kit 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 613340-5-1/2 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 meter is also capable of testing resistance to ground and point to point resistance.

## Set up and Operations

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 on your ground point. Press the test button.
4. 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 (5lb) 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.

Product Code	Description	Size (in)	Additional notes
093-0089	Surface Resistant Meter 100V	5.1 x 2.7 x 0.9	Each



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