

Surface Resistance Meter

multicomp PRO

**RoHS
Compliant**

Description

This meter has been designed to measure both surface resistance and resistance to ground. To measure surface material place the meter on the area to be tested and press the test button. For measuring resistance to ground, place the ground lead into the earth leakage socket, connect the crocodile clip to the area to be tested and press the test button.

The meter will test conductive, static dissipative and insulative surfaces using two parallel bars set to give Ohms per square readings. Conductive is indicated by green LEDs from $10^3 - 10^5$, static dissipative by yellow LEDs from $10^6 - 10^{11}$ and insulative by red LEDs 10^{12+} .



Technical Data

Technical Specification	Technical Data	
Decade Changeover	+/- 1/2 Decade on a Logarithmic Scale ($3.16 \times 10n$)	
Resolution	1 Decade	
Accuracy	+/- 1/2 Decade	
Temperature	Operating	5°C to 49°C
	Storage	-15°C to +60°C
Power	9V PP3 Alkaline Battery	
Test Voltage	Nominal 9V	
Accuracy	+/- 10%	
Repeatability	+/- 5%	
Weight	6 Ounces	

Operation

Remove battery panel and insert PP3 Alkaline battery. To check the battery, hold down the unit in the air and press the test button, the red LED should show (insulative). Place the meter onto the surface, ensuring the probes are touching the area to be tested and press the test button. The LED that is illuminated shows the relevant results in Ohms per square.

Checking Resistance to Ground

Insert the grounding lead into the earth leakage socket and connect the crocodile clip to the ground connection. Place the meter onto the surface being tested, and hold down the test button. The measurement will show the resistance to ground in Ohms rather than Ohms per square.

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Notes

Calibration should be carried out annually (please contact us for more information). The meter comes complete with ground lead. Battery not supplied.

Part Number Table

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MP005768	Surface Resistance Meter