



This battery operated portable instrument is used for measuring Surface Resistivity of virtually any surface. In the electronics industry products such as packaging materials, component storage bags and trays, work bench surfaces, table and floor mats, conveyor belts, etc., have resistance values which need to be conformed to specific standards. Moreover, these values are expected to fall within specified limits. The Surface Impedance Tester plays a vital role in monitoring and checking the resistivity characteristic of these items.

Surface Resistivity, Resistance between 2 points and Surface to Ground Resistance all are conveniently measured in accordance with specified standards. Measurements in the conductive range i.e. upto 10^5 are made at 10V and all higher values at 100V. Measurements can be taken with External Probes (Hammers). A separate cord is also provided for Surface to ground measurements whereby the resistivity differential between any surface and any chosen ground can be determined.

The surface resistivity is displayed on digital display. User can recognize the tested material whether it is conductive, dissipative or insulative as it covers the wide range from $10^{2.5}$ to $10^{13.5}$ ohms/square

Specifications:

Measurement Range	$10^{2.5} \sim 10^{13.5}$ Ohm
Measurement Modes	- Standard surface impedance test mode - ESD material and ground terminal test mode - IEC specified heavy hammer test mode
Power Supply	3.7V Chargeable Battery (standard USB)
LCD Display	- Test result displayed in digital form - Test time display, Battery display
Testing Time	15s/30s/60s
Testing Voltage	Automatic switching - $10^{2.5}$ - 10^6 Ohm 10V, 10mA max - 10^6 - $10^{13.5}$ Ohm 100V, 1mA max
Resolution	0.1 digit
Accuracy	± 0.5 digit
Dimensions	114(L) \times 78(W) \times 69(H)mm (approx.)
Weight	5kg (Including battery) (approx.)

Features:

- Testing by putting on the surface to be tested
- Testing voltage switches automatically
- Various testing modes can meet different testing requirement.
- LCD display, easy to read.
- Chargeable battery (via USB Adaptor)

This kit is designed to take measurements in accordance with the test methods in:

- Floors - ANSI/ESD S7.1 Resistive Characterization Floor Materials
- Workstations - ESD-ADV53.1 ESD Protective Workstations
- Work Surfaces - ANSI/ESD S4.1 Worksurfaces Compliance Verification ESD TR35-Resistance Measurements

Warranty is 12 months from the date of invoice. It excludes any mechanically damaged and electrically misused part.

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on-site services can be provided at extra charges if pre-paid by customer in advance