Surface Resistivity Meter

Model: Z203-100+Z203P

This is a wide-range, battery operated, portable instrument for measuring Surface Resistivity of virtually any surface. In the circuit 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 conform to stringent specifications. Moreover, these values are expected to fall within specified limits. The Surface Resistivity meter can play a vital role in monitoring and checking the resistivity characteristic of the above items.

Surface Resistivity, ***Resistance between 2 points***, and ***Surface to Ground*** can all be conveniently measured in accordance with EOS/ESD Association Std S4.1. 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 built-in parallel electrodes or **special external probes**. 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 conveniently indicated through an LED scale that is colour coded to signify conductive, dissipative and insulative covering a total of 12 decades from 10^3 to 10^{12} ohms/square with under range and over range indications.

Specifications

Measurement Range	: Auto-ranging 10^3 to 10^{13} ohms/sq
Measurement accuracy	: half decade
Resolution	: One decade.
Excitation voltage	: 10V for <10^5, 100V for >10^6
Indication	: Visual by Multi-colour LEDs
Test actuation	: Press to ON Switch.
Power supply	: 9 Volt DC battery.
Low Battery	: Warning at 7.5V
Dimensions	: 125 x 75 x 29 mm
Weight	: 160 gms

External Probes
Model Z203P

Scope of Supply (Model Z203-100+Z203P)

- Z203 Surface Resistivity Meter
- External Probes with Cord
- Grounding Cord
- Carrying Case