

Surface Resistance Electrode Probe Model 850



Electrostatic
Instrumentation



Validate your material's resistance characteristics. Electro-tech system's Model 850 electrode probe provides you with ability to measure resistance employing both point-to-ground (RTG) and point-to-point (RTT). The construction is built to the exact relevant ANSI/ESDA, ASTM and IEC standards. The 850 is designed to measure the resistance of any planar surface. When integrated with the ETS 871 Wide Range Resistance Meter, resistance values can be seamlessly read.

Standards Satisfied

ANSI/ESD S4.1, S7.1, S9.2, STM2.1, STM12.1, STM97.1, ESD-ADV53.1, ASTM F150
IEC 61340-2-3, 61340-4-1, and 61340-5-1

Applications

- Resistive characterization of floor materials and footwear
- Resistance measurement of worksurfaces, garments, and seating
- Floor materials and footwear resistance measurement in combination with a person
- ESD Protective Workstations

Key Features

- Measure surface-to-ground (RTG) and point-to-point (RTT) resistance.
- Precision weight meets industry specifications
- 2.5" diameter conductive rubber electrode
- Contact resistance of complete probe less than 500 Ohms
- 5-foot cable provided with each probe
- Compatible with resistance meters featuring standard 0.161" banana plug

D00660 Rev C

Questions? Here's how to contact our experts



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Specifications

ELECTRICAL

Measurement Range @10V: $500\Omega \rightarrow 10^{12}\Omega$

Contact electrodes: Conductive Silicone Rubber with Specially Prepared Carbon Loading

Connectors, STD. Banana Jack 0.162" (4mm): GND

Cables (Banana-Banana): 5' (1.5m) Red Rubber

MECHANICAL

Electrode Dimensions: 2.5" (64mm) Diameter x 0.25" (6mm)

Shore-A Hardness: 60 ± 10 Durometer

Probe dimensions: 2.75" Diameter x 4.75" H (70 x 121mm)

Weight: 5.042 lbs \pm 0.055 lbs (2287 grams \pm 25 grams)

For precision readings and results ask about our Model 871 Resistance Meter

Warranty: One (1) Year – Parts & Labor



Specifications subject to change without notice

