



## ESD Surface & Grounding Digital Resistivity Tester & Wrist Strap Tester

Tests antistatic materials and insulations in compliance of ASTM Standard D-257

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reliable & caring since 1976

### Surface Resistivity & Grounding Tester with Digital Display (not LED indication) P/N: 499D

Surface Impedance Tester is used for measuring the surface coefficient and grounding resistance of objects, as well as the antistatic and insulating material.

#### Specifications:

Test range	: $10^3 \sim 10^{12}\Omega$
Power	: 9V battery
Resolution ratio	: 0.1 order of magnitude
Precision	: $\pm 10\%$
Condition	: $0^\circ\text{C} \sim 49^\circ\text{C}$ , RH 0%–80%
Size	: 130(L) $\times$ 72(W) $\times$ 35(H)mm (approx.)
Weight	: about 170 g (battery included)

#### Test Results reading

**X.X E XX** display means X.X raise to the power 10 ( $10^{XX}$ )  
Example: If display shows 9.5E10, it means  $9.5 \times 10^{10}\Omega = 95\text{G}\Omega$

#### Interpretation of Digital Display

- bL** --- It needs Battery replacement.
- CE** --- It means Calibration Error, needs re-calibration.
- Lr** --- Test resistance is less than  $300\Omega$  ( $3 \times 10^2\Omega$ ).
- Hr** --- Test resistance is more than  $3\text{T}\Omega$  ( $3 \times 10^{12}\Omega$ ).



### Digital Static Charge Meter to check ESD Safety

P/N: 193

Checks static charge on human beings and also discharges the same

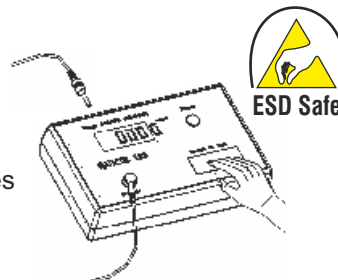
This Static Charge Checking Instrument checks and discharges electrostatic charge on human body. It displays electrostatic charge on human body digitally; and also has provision to discharge the same before personnel enter ESD protected area. It is also effective in detecting the electrostatic potential difference between two persons. This Instrument also checks the effectiveness of grounding straps, coil cords, ground pin, antistatic floors, antistatic clothes etc.

#### Features:

- Easy-to-use reliable and portable design
- Has provision for wall mounting outside the ESD protected area
- It can check voltages of +ve and -ve polarities

#### Specifications:

Test range	: 0 ~ 19990 Volts
Accuracy	: $\pm 8\%$ , $\pm 1$ digit ( $0 \pm 10000\text{V}$ )
Output	: Digital display
Power Supply	: 9VDC Battery or AC Adaptor
Dimensions	: 160 x 100 x 40mm (approx.)
Weight	: 230 grams (approx.)



#### How to read the Display values:

The voltage range of the meter is from 0V to 19990V

"0" on the display means "1" digit, so the final Voltage value is value displayed on LCD X 10.

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

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