



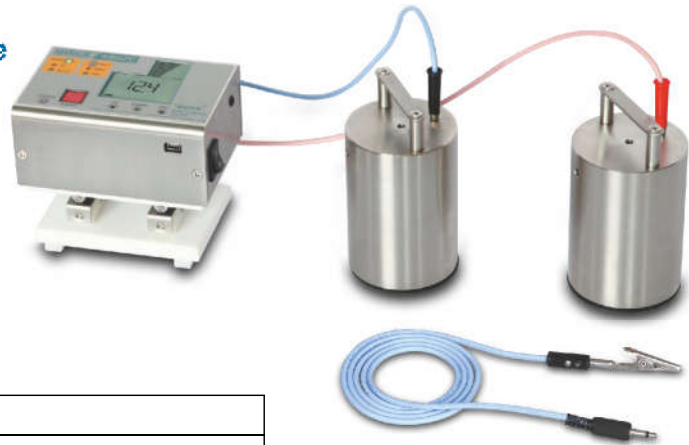
**ESD Audit Test Kit P/N: 499ZC**  
**Heavy Hammer type for surface impedance**

**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)

**Specifications:**

Measurement Range	10 <sup>2.5</sup> ~ 10 <sup>13.5</sup> Ohm
Testing 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 or adapter)
LCD Display	Test result displayed in digital form Test time display, Battery display
Testing Time	15s/30s/60s
Testing Voltage	Automatic switches 1-10 <sup>2.5</sup> -10 <sup>6</sup> Ohm 10V, 10mA max 2-10 <sup>6</sup> -10 <sup>13.5</sup> Ohm 100V, 1mA max
Resolution	0.1 digit
Accuracy	±0.5 digit
Dimensions	114(L)×78(W)×69(H)mm (approx.)
Weight	5kg (Including battery) (approx.)



**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

**Routine ESD Surface Resistivity & Grounding Tester P/N: 499D**  
**Digital Display (not mere LEDs indication as in low priced models)**

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<sup>3</sup> ~10<sup>12</sup>Ω
- Power : 9V battery
- Resolution ratio : 0.1 order of magnitude
- Precision : ±10%
- Condition : 0°C ~ 49°C, RH 0%–80%
- Size : 130(L)×72(W)×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<sup>xx</sup>)  
Example: If display shows 9.5E10, it means 9.5\*10<sup>10</sup>Ω = 95GΩ

**Interpretation of Digital Display**

- bL** --- It needs Battery replacement.
- CE** --- It means Calibration Error, needs re-calibration.
- Lr** --- Test resistance is less than 300Ω (3\*10<sup>2</sup>Ω).
- Hr** --- Test resistance is more than 3TΩ (3\*10<sup>12</sup>Ω).



**Electrods on the back side**



**Digital display readout**

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

While the information contained herein in, has been carefully compiled to the best of our knowledge, nothing is intended as representation and warranty on our part; and no statement shall be construed as recommendation to infringe any of existing patents. We accept no liability of whatsoever for any faults and errors in the information contained herein. Contents of this catalogue and specifications of the products, are subject to change without notice due to continuous improvements.

shown trademarks are property of their respective owners.