

VECTECH499D

Surface /ground Resistance tester

RESISTIVITY METER

Operation Manual

Thank you for purchasing the tester. Please read this manual before operating the unit. Store this manual in a safe, easily accessible place for future reference.

I 、 Summary

This test can test Surface Resistance and ground Resistance, can test anti-static material and insulation. It adopt ASTM standard D-257 parallel pole sense method, use high-density OP-AMP integrated amplifier, auto test.

II 、 Specifications

Test range:	103-1012 Ω
Power:	9V battery
Resolution ratio:	0.1 order of magnitude
Precision:	± 0.5 order of magnitude
Condition:	0°C - 49°C , RH 0% - 80%
Size:	130 (L) \times 72 (W) \times 35 (H) mm
Weight:	about 170g (contain battery)

III、 operate

1. **Surface Resistance test:** place tester on the surface of waiting test material, press test key, show the per square resistance of measurand material .
2. **Ground resistance test:** one end of the test line insert the ground hole of tester(offside pole of tester break), the other end lined ground,, and then place tester on the surface of waiting test material, press test key, the test result is the ground resistance ,not surface resistance.

3. LED value meaning

bL --- when press power switch, LED show bL , express the battery voltage low, need change battery.

CE --- when press power switch, LED show CE, express product is not calibration or error calibration, need calibration again.
Tester read acquiesce value, test precision reduce.

Lr --- test resistance less than $300\ \Omega$ ($3 \times 10^2\ \Omega$)