

Surface Resistance Checker *TR-110*

The [*TR-110*] measures both surface resistivity and resistance to ground. giving simple repeatable measurements of conductive, static dissipative and insulative surfaces. The checker employs the ASTM standard D-257 method of parallel bar sensing .Ranging is automatic due to the use of high speed OP-AMP Integrated circuits being linear, with changeover points + or-1/2 decade on a logarithmic scale(+or-10% from mean value per unit).

▲Specification

- Measurement range ... 10^3 - 10^{12} ohms per square
- Power supply...9 volt PP3 alkaline battery
- Test Voltage...Nominal 9V
- Operating temperature range... 5°C - 49°C
- Storage temperature range... -15°C - 60°C
- Operating range of relative humidity...50%-90%(non-condensing)
- Resolution...One order of magnitude
- Changeover point... $\pm 10\%$
- Dimensions... $135\text{mm} \times 70\text{mm} \times 25\text{mm}$
- Weight...160g

▲Operation

- Place the checker onto the surface to be tested ,press and hold the test button .The LED that illuminates constantly is the decade measured.
- For checking resistance to ground ,insert the ground/earth leakage lead into the ground/earth leakage socket. This isolates the test probe on the right side of the meter Connect the croc clip to your ground connection .Place the checker on to the surface to be tested, press and hold the test button .The LED that illuminates constantly is the measured resistance to ground in ohms instead of ohms per square.

▲Calibration

Recommends calibration of [*TR-110*] every 12 months.