740 SURFACE RESISTANCE METER

The 740 Surface Resistance Meter is a pocket-sized instrument providing fast and repeatable measurements of conductive, static dissipative and insulative surfaces.

The 740 measures both surface resistivity and resistance to ground.

PERFORMANCE

- The 740 uses the ASTM Standard method of parallel bar sensing.

ESSENTIAL QUALITIES

- For surface resistance measurement:
  - Place the 740 on the flat surface to be measured, press the button and hold. The LED which illuminates shows the decade in Ohms per Square.
- For resistance to ground measurement:
  - Insert the ground cord into the metal socket on the right side of the body, connecting the crocodile clip on the cord to earth. Place the flat 740 on the surface to be tested and press the button. The resistance to ground is shown in Ohms.
- Automatic ranging.
- Comes complete with carrying case, battery and earth cord.

APPLICATIONS

- The traditional market for the 740 is checking packaging materials in the electronics industry.
- This has expanded to checking a wide range of materials and processes throughout industry.



SPECIFICATION

Range:	10^3-10^{12}+ Ohms per Square.
Resolution:	One order of magnitude.
Changeover Point:	½ decade on logarithmic scale (3.15 x 10 n).
Accuracy Of Changeover Point:	+/- ½ decade.
Accuracy:	+/- 10 %. Repeatability: +/- 5 %.
Test Operation:	Test battery - press button when holding in free air - the red Insulative LED should illuminate.
Battery:	9 V PP3 alkaline.
Size and Weight:	130 mm x 70 mm x 35 mm, 103 g.
Environmental:	Temperature 5° - 50 °C. Humidity 0-90 % rH (non-condensing).
Certification:	CE.

FRASER Anti-Static Techniques

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