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Technical data sheet # TST40E

**Art. E-MEG
PROFESSIONAL SURFACE RESISTANCE & RESISTIVITY
TESTER**



GENERAL

Testing and auditing all elements within the EPA is essential to comply with industry standards. Incorporating the latest requirements of the IEC 613340-5-1/2 technical report whilst maintaining the requirements of the EN100 015/1 European standard. The E-MEG (tester only or kit), has been designed specifically to enable the testing surface used in the EPA.



The E-MEG can measure either Ohms/Sq (resistivity) or connecting the two leads from to the two 3.5mm connection points to 2 x 2.5Kg weights and measure point to point resistance.

THE KIT

The E-MEG kit includes 2 x 2.5kg weights, connecting leads and a unique logarithmic reading system, divided up into easy to read coloured LED's.

The E-MEG automatically switches from 10 to 100V testing according to the resistance of the surface (10V for conductive and 100V for dissipative).

FACTS

Dimensions	70 x 130 x 35mm
Weight	103 grams (tester only)
Power	Battery operated PP3 9 volt
Connections	2 x 3.5mm jack plug for earth connection
Total Test Range	10^3 to 10^{12+}
Dissipative Range	3×10^5 to 3×10^9 1/2 Decade between each decade on a logarithmic scale Example: $1 \times 10^5 \times 3.21 = 3 \times 10^5$ (1/2 Decade Measurement) $\times 3.21 = 1 \times 10^6$
Method of Measurement	Surface Resistivity (Ohms per square) Point to Point Resistance (Ohms)
Accuracy	+/- 0.5 Decade in Conductive Range +/- 0.25 Decades in Dissipative Range
Method of operation	Push button
Led indicators	10^3 to 10^5 = Green (conductive) 3×10^5 to 10^9 = Yellow (Dissipative) 3×10^9 to 10^{10} = Orange (Dissipative) 10^{12+} = Red (Insulative)
Probes	Standard Tin Copper Mesh, 52mm length

The datas shown above are intended only as general indication of the standard production values. The do not refer to specific production lots. The document has no legal value.

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