

Digital (Up to 1kV) Insulation Tester

IP54



CE

1161 IN

FEATURES

- **Waterproof design, protection class: IP54**
- **Microprocessor-controlled.**
- Measures insulation ($M\Omega$), Continuity (Ω) and AC voltage.
- Three insulation test voltages (DC V) : 250V, 500V, 1000V.
- $3\frac{1}{2}$ digital LCD (2000 counts).
- $68 \times 34\text{mm}$ (2.677" $\times$ 1.338") large LCD display.
- Waterproof design, protection class : IP54.
- Automatic circuit discharge.
- Test insulation at rated voltage into a 1mA load.
- 200mA short circuit testing current for continuity.
- Auto ranging.
- Fuse protection.
- Data hold function.
- BS 16th edition.

SPECIFICATIONS

Insulation Resistance

Test voltage (DC V)	250V / 500V / 1000V
Measuring ranges (Auto ranging)	0-2M Ω / 0-20M Ω / 0-200M Ω / 0-2000M Ω
Output voltage open circuit	+10%

Accuracy	0-2M Ω : $\pm(5\%rdg+5dgt)$
	0-20M Ω : $\pm(1.5\%rdg+5dgt)$
	0-200M Ω : $\pm(2.5\%rdg+3dgt)$
	0-2000M Ω : $\pm(5\%rdg+5dgt)$

Resolution	0-2M Ω : 1k Ω
	0-20M Ω : 10k Ω
	0-200M Ω : 100k Ω
	0-2000M Ω : 1M Ω

Output current	1mA DC
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AC Voltage

Range	0-600V
Resolution	1V
Line frequency range	40-120 Hz
Accuracy	$\pm(1.5\%rdg+3dgt)$

Current for continuity

Measuring range	0-20 Ω
Resolution	0.01 Ω
Short circuit terminal current	200mA DC min.
Open circuit terminal voltage	4V DC min.
Accuracy	$\pm(1.5\%rdg+3dgt)$

General

Impedance	10M Ω
Dimensions	175(L) $\times$ 85(W) $\times$ 75(D) mm
Weight (battery included)	Approx. 600g
Power source	1.5V (AA) $\times$ 8
Safety standard	EN IEC 61010-1 CAT III 600V EN 61326-1 Instruction manual Test leads
Accessories	Soft pouch Shoulder belt Batteries



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