



Isolation Meter PCE-IT55



Isolation Meter PCE-IT55 CAT III 1000V / For insulation resistance up to 2000 MΩ

The Isolation Meter PCE-IT55 determines insulation resistance up to a maximum of 2000 MΩ (for auxiliary voltages of 250, 500 and 1000V). This Isolation Meter also offers the ability to measure alternate and continuous currents up to a maximum 750V / 1000V and resistance up to 2 kΩ. Includes test current and a warning whistle. The Isolation Meter meets with these standards: DIN 57 411 part 1 / VDE 0411 part 1, protective measures for electronic devices (IEC1010-1) and DIN VDE 0413 (Electrical Tester). The Isolation Meter comes calibrated from the manufacturer and an optional laboratory calibration and ISO certificate can be ordered separately for annual recalibrations.

- ▶ Meets the standards: IEC1010-1, CAT III 1000V
- ▶ Has a large dual, backlit display
- ▶ Individual or prolonged measurements can be made by pressing the "lock" key
- ▶ Indicates overload and battery level
- ▶ Auto shut of to conserve battery power
- ▶ Comes ready to use in its own carrying case
- ▶ Optional ISO calibration certificate

Subject to change

Specifications

Measurement ranges:	Voltage AC	0 ... 750V
	Voltage DC	0 ... 1000V
	Resistance	0 ... 200 Ω / 200 ... 2000 Ω
	Insulation resistance	0 ... 200 M Ω / 200 ... 2000 M Ω
Resolution	Voltage AC	1V
	Voltage DC	1V
	Resistance	0.1 Ω / 1 Ω
	Insulation resistance	100 k Ω to 1 M Ω
Accuracy	Voltage AC	$\pm 1.2\% \pm 10$ digits
	Voltage DC	$\pm 0.8\% \pm 3$ digits
	Resistance	$\pm 1.0\% \pm 2$ digits
	Insulation resistance	$\pm 3.5\% \pm 5$ digits
Test voltages		250V - 200 M Ω 500V - 200 M Ω 1000V - 2000 M Ω
Test current		Whistle: $\leq 40 \Omega$, test current ≤ 200 -mA
Power		6 AA batteries
Operating conditions		0 ... 40°C / 32 ... 104°F, <80% r.h.
Dimensions		200 x 92 x 50 mm / 7.9 x 3.6 x 2 in
Weight		700 g / 1.5 lbs
Standards		IEC10101, CAT III 1000V

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