ISOLATION METER

PCE-IT55



- **Meets the standards: IEC11-1, CAT III 1V**
- **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**

The Insulation Tester determines insulation resistance up to a maximum of 2 MΩ (for auxiliary voltages of 25, 5 and 1V). This Insulation Tester also offers the ability to measure alternate and continuous currents up to a maximum 75V / 1V and resistance up to 2 kΩ. Includes test current and a warning whistle. The device meets with these standards: DIN 57 411 part 1 / VDE 411 part 1, protective measures for electronic devices (IEC11-1) and DIN VDE 413 (Insulation Tester). It comes calibrated from the manufacturer and an optional laboratory calibration and ISO certificate can be ordered separately for annual recalibrations.

Specification

Direct voltage DC	
Measuring range	0 ... 1000 V
Resolution	1 V
Accuracy	±(0.8 % of the measured value (of m.v.) +3 digits)
Overload	1000 Vrms
AC voltage	
Measuring range	0 ... 750 V
Resolution	1 V
Accuracy	±(1.2% of VAT + 10 digits)
Overload	750 Vrms
Frequency range	40 ... 400 Hz
Insulation resistance	
Test voltage DC	250 V
Measuring range	0 ... 200 M Ω
Resolution	0,1 M Ω
Accuracy	±(3% of VAT + 5 digits)
Insulation resistance	
Test voltage DC	500 V
Measuring range	0 ... 200 M Ω
Resolution	0,1 M Ω
Accuracy	±(3% of VAT + 5 digits) M Ω
Insulation resistance	
Test voltage DC	1000 V
Measuring range	0 ... 1000 M Ω
Resolution	1 M Ω
Accuracy	±(3% of VAT + 5 digits)
Insulation resistance	
Test voltage DC	1000 V
Measuring range	0 ... 1000 M Ω
Resolution	1 M Ω
Accuracy	±5 % of the measured value (of m.v.) +5 digits
Resistance	
Measuring range	0 ... 200 Ω
Resolution	0,1 Ω
Accuracy	±(1 % of the measured value (of m.v.) +2 digits)

General technical data	
Measuring rate	2,5 Hz
Norm(en)	IEC 1010-1
Automatic power-off	30 min.
Safety standard	CAT III 1000V
Test current	≤ 200 mA
Menu language	English (US), English (GB)
Protection class (device)	IP20
Battery/battery	6 x 1,5 V AA Battery (1,5V) , Alkali-Manganese
Battery capacity	3000 mAh
Operating conditions	0 ... 40 °C , 0 ... 80 %RH
Storage conditions	0 ... 40 °C , 0 ... 80 %RH
Dimensions (L x W x H)	200 x 92 x 50 mm
Weight	700 g