EARTH TESTER / EARTH RESISTANCE METER

PCE-ERT 10



- **Three-wire measuring method**
- **Earth resistance is determined in three measuring ranges up to 2000 Ω**
- **Ground voltage measurement up to 200 V**
- **Zeroing possible**
- **Alternating and DC voltage measurement**

This earth tester / earth resistance meter is a handy measuring instrument, which allows fast and easy determination of the earth resistance. The earth tester / earth resistance meter determines the earth resistance with three-wire technology in three measuring ranges up to 2000 Ω. By means of a rotary knob, a zero position can be performed before each measurement in order to achieve the optimum accuracy. Furthermore, this grounding measuring device offers a normal resistance measurement up to 200 kΩ, the measurement of the ground voltage, and a voltage measurement for DC and AC voltage.

During the measurement of the earth resistance, the battery voltage is displayed next to the measured value in the large LCD display with background lighting. This special function of the earth tester / earth resistance meter helps the measuring technician to recognize the charging status of the batteries directly from the earthing device. In addition to the earthing device and the necessary measuring cables, the earth spikes are also included in the delivery. The set is completed by a carrying case, in which all the accessories of the earthing device can be found and can therefore be taken everywhere.

Specification

Direct voltage DC	
Measuring range	0 ... 1000 V
Resolution	1 V
Accuracy	±(0.8% +3 Digits)
Overload	1000 V rms
AC voltage	
Measuring range	0 ... 750 V
Resolution	1 V
Accuracy	±(1.2% +10 Digits)
Overload	750 V rms
Frequency range	40 ... 400 Hz
Resistance	
Measuring range	0 ... 20 Ω
Resolution	0,01 Ω
Accuracy	±(2% +10 Digits)
Resistance	
Measuring range	20 ... 200 Ω
Resolution	0,1 Ω
Accuracy	±(2% +3 Digits)
Resistance	
Measuring range	200 ... 2000 Ω
Resolution	1 Ω
Accuracy	±(2% +3 Digits)
Resistance	
Measuring range	0 ... 200 kΩ
Resolution	0,1 kΩ
Accuracy	±(1% +2 Digits)
Earth voltage	
Measuring range	0 ... 200 V
Resolution	0,1 V
Accuracy	±(3% +3 Digits)

General technical data	
Display type	LCD with backlight
Measuring rate	2,5 x per second
Automatic power-off	15 min
Measuring method	Three-wire technology
Test current	≤ 200 mA
Menu language	English, English (GB)
Protection class (device)	IP20
(Rechargeable) battery	6 x 1,5 V AA battery , Alkali-manganese
Capacity	3000 mAh
Operating conditions	-10 ... 60 °C , 0 ... 70 % RH
Storage conditions	0 ... 40 °C , 0 ... 80 % RH
Dimensions (L x W x H)	200 x 92 x 50 mm
Weight	700 g

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