

DIGITAL MULTIMETER

PCE-LCT 1



- » Measures leakage current
- » Measures current up to 100 A
- » Measures voltage up to 600 V
- » Continuity test
- » Measures resistance up to 400 Ω
- » Digital bar graph
- » High resolution
- » Max./min. values are viewed on the display
- » Rubber protector
- » Test cables are included

With the Digital Multimeter it is possible to measure leakage currents up to a range of 100 A. The Digital Multimeter can measure leakage currents which appear when current flows through electrical conductors which are not designed for conduction current. The Digital Multimeter can detect leakage currents and show them on the display. With the help of the Digital Multimeter you can detect insulation failures in places where machines cannot be disconnected, however insulation must be checked, as for instance according to the VDE 701/702 standard. The Digital Multimeter measures current flow, voltage up to 600 V, resistance and continuity. The Digital Multimeter is the ideal instrument for electricians according to the VDE standard. The Digital Multimeter has a compact design which allows to be placed in any pocket. The rubber protection protects the instrument against falls, so it is the ideal instrument to be used in electrical inspections and in workshops.

Specification

AC voltage	
Measuring range	0 ... 400 V
Resolution	0,1 V
Accuracy	50 / 60 Hz: ±(1.5 % +2 digits) / 400 Hz ... 1 kHz: ±(2 % +4 digits)
Alternating current AC	
Measuring range	0 ... 40 mA
Resolution	10 µA
Accuracy	50 / 60 Hz: ±(1 % +0.5 mA) / 400 Hz ... 1 kHz: ±(4.5 % +0.5 mA)
Alternating current AC	
Measuring range	0 ... 400 mA
Resolution	100 µA
Accuracy	50 / 60 Hz: ±(3% +5 mA) / 400 Hz ... 1 kHz: ±(3% +5 mA)
Alternating current AC	
Measuring range	0 ... 4 A
Resolution	1 mA
Accuracy	50 / 60 Hz: ±(4% +0.1 A) / 400 Hz ... 1 kHz: ±(4% +0.1 A)
Alternating current AC	
Measuring range	0 ... 40 A
Resolution	10 mA
Accuracy	50 / 60 Hz: ±(4% +1 A) / 400 Hz ... 1 kHz: ±(4% +1 A)
Alternating current AC	
Measuring range	0 ... 80 A
Resolution	100 mA
Accuracy	50 / 60 Hz: ±(2.5% +1 A) / 400 Hz ... 1 kHz: ±(3% +1 A)
Alternating current AC	
Measuring range	80 ... 100 A
Resolution	100 mA
Accuracy	50 / 60 Hz: ±(5% +1 A) / 400 Hz ... 1 kHz: ±(5% +1A)
Resistance	
Measuring range	40 ... 400 Ω
Resolution	0,1 Ω
Accuracy	±(1% +2 Digits)
Oscilloscope specifications	
Input impedance	10 M Ω

General technical data	
Measuring functions	MIN, MAX, HOLD
Display type	LCD
Current consumption meter	10 mA
Maximum cable diameter	30 mm
Automatic power-off	30 min
Other dimensions	Pliers diameter: 30 mm
Safety standard	CAT III 300V, CAT II 400V
Menu language	English, English (GB)
Protection class (device)	IP21
(Rechargeable) battery	1 x 9 V 9V block , Alkali-manganese
Capacity	640 mAh
Operating conditions	-10 ... 50 °C , 0 ... 85 % RH
Storage conditions	-20 ... 60 °C , 0 ... 85 % RH
Dimensions (L x W x H)	210 x 62 x 35,6 mm
Weight	200 g