

# Clamp Meter PCE-DC 41









#### Clamp Meter PCE-DC 41

## Voltage metering up to 600 V / current metering up to 600 A / CAT III 600 V

### Electrical resistance metering up to 1000 $\Omega$ / contact-free measuring of electrical conductors

The clamp meter PCE-DC 41 can measure voltages up to 600 V, currents up to 600 A and electrical resistance up to 1000  $\Omega$ . To perform a measurement, you can either use the measuring leads, which are included in the package of the clamp meter, or you can use the integrated clamp mechanism. By using the clamp of the clamp meter, you are able to measure the electrical parameters of an electrical conductor contact-free and without disconnecting it. You can also check the continuity with the clamp meter.

Due to its compact design and light weight, the device is well-suited for mobile use. When using the clamp mechanism, it is also possible to run the clamp meter with one hand only. The measured data is shown on the large backlit 4-digit display. By using the peak-hold or data-hold function, you can also freeze the readings on the display. The auto power-off function saves battery power, when the device is not in use.

- ▶ Voltage: 600 V AC/DC
- ► Current: 600 A AC/DC
- Electrical Resistance: 1000 Ω
- ► Clamp mechanism
- Continuity check
- ▶ Peak- and data-hold function
- Measuring leads included in the package
- ▶ 4-digit display
- ► Display backlight
- ► Auto power-off

## **Specifications**

## **Technical specifications**

## **Direct voltage**

	Range	Resolution Accuracy	
Input impedance: 1 $M\Omega$	600 V	0.1 V	± 1 % + 2 digits
Direct voltage (peak model)			
Input impedance: 1 $M\Omega$	600 V 0.0 0.01 in	0.1 V 0.0 0.01 in	± 1.5 % + 8 digits 0.0 0.01 in
Alternating voltage			
Input Impedance: 1 MΩ	600 V	0.1 V	$\pm$ 1.2 % $\pm$ 5 digits (50 500 Hz)
Alternating voltage (peak model)			
Input impedance: 1 $M\Omega$	600 V	0.1 V	± 1.7 % + 10 digits
Direct current			
	60 A	0.01 A	± 2 % + 5 digits
	600 A	0.1 A	± 2 % + 3 digits
Direct current (peak model)			
	600 A	0.1 A	± 2.5 % + 8 digits
Alternating current			
			±2 % + 5 digits (5060
	60 A	0.01 A	Hz)
	600 A	0.1 A	±3 % + 5 digits (60500 Hz)
Alternating current (peak			
model)			
	600 A	0.01 A	±2.5 % + 10 digits
Electrical resistance			
	1000 Ω	0.1 Ω	± 1 % + 2 digits

#### **Continuinty check**

**Buzzer function** 

<40 Ω

## **General specifications**

4-digit LCD Display

maximum reading: 6200

Sampling rate 3 times/s

2 x 1.5 V AAA batteries Power supply

50 hours (without buzzer backlight function) Batter life

after 30 minutes of inactivity **Auto Power off** 

0.0 °C ... +40 °C / < 70 % RH Operating conditions

0.0 °F ... +104 °F

-10 °C ... +60 °C / < 80 % RH

Storage conditions +14 °F ... +140 °F

Maximum clamp opening Ø 25 mm / Ø 0.1 in

**Dimensions** 

8.26 in x 2.44 in x 1.41 in

210 mm x 62 mm x 36 mm

Weight 273 g / 0.6 lbs with batteries

## More information

Manual

More product info



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Subject to change