

Clamp Meter PCE-OCM 10



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Current clamp up to 600 A / TRMS measurement / MAX MIN memory / OLED display / Inrush measurement / 6000 digit display / Measuring point illumination

The current clamp PCE-OCM 10 is characterized by the OLED display. The OLED display on this clamp makes it possible to read the display even in the dark, as it is self-luminous. The current clamp measures DC and AC up to 600 A. In addition to the regular current measurement, the PCE-OCM 10 current clamp can be used to measure start-up currents. AC voltage can be measured up to 750V AC and DC voltage even up to 1000V. Furthermore, the current clamp has the standard multimeter functions such as resistance measurement, diode test, capacitance measurement, continuity test, etc. The current clamp can also be used for temperature measurement with the aid of the external thermocouple.

The current clamp is particularly suitable for industrial applications, for example in the daily use of a company electrician. The wide measuring range and the diverse measuring functions of the current probe cover a large part of the measuring tasks. The front led on the current clamp completes this meter.

- ▶ Inrush measurement
- ▶ MAX-MIN measured value memory
- ▶ OLED display
- ▶ NCV function
- ▶ TRMS AC A
- ▶ Clamp with multimeter functions
- ▶ Measurable up to 600 A
- ▶ 6000 digit display

Specifications

Measuring function	Measuring range	Resolution	Accuracy
AC (600 A AC RMS / 600 A @ 50/60 Hz max.)	60 A	0.01A 0.1A	± (2.5% v.Mw + 5Digit)
AC / Inrush (starting current)	600 A	0.1 A	± (7.5% from the year + 5 digits)
DC current (600 A DC max.)	60 A 600 A	0.01A 0.1A	± (2.5% v.Mw + 5Digit)
AC voltage (@ 45 ... 400 Hz)	6V 60V 600V 750V	0.001V 0.01V 0.1V 1V	± (1.2% v / m + 5 digits) ± (1.2% v / v + 3 digits) ± (1.2% v / v + 3 digits) ± (1.5% v. Mw. + 5 digits)
AC voltage (VFC)	600V	0.1V	± (6.5% of the total + 5 digits)
DC voltage (max 1000V DC)	600 mV 6 mV 60 mV 600V 1000V	0.1 mV 0.001V 0.01V 0.1V 1V	± (1% v / m + 5 digits) ± (0.8% v / v + 3 digits) ± (0.8% v / v + 3 digits) ± (0.8% v / vept. + 3 digits) ± (1% of the total + 5 digits)
Resistance	600 Ω 6 kΩ 60 kΩ 600 kΩ 6 MΩ 60 MΩ	0.1 Ω 0.001 kΩ 0.01 kΩ 0.1 kΩ 0.001 MΩ 0.01 MΩ	± (1.2% v / m + 2 digits) ± (1% v / v + 2 digits) ± (1% v / v + 2 digits) ± (1% v / v + 2 digits) ± (1.2% of the total + 2 digits) ± (1.5% of the total + 5 digits)
Continuity test	600 Ω	0.1 Ω	Beep: <30Ω No beep:> 100 Ω
Diode test	6V	0.001V	0.5 ... 0.8V

Subject to change



Capacity	60 nF	0.01 nF	± (4% from + 20 digits)
	600 nF	0.1 nF	± (4% from + 20 digits)
	6 µF	0.001 µF	± (4% from + 20 digits)
	60 µF	0.01 µF	± (4% from + 20 digits)
	600 µF	0.1 µF	± (4% of the value + 20
	6 mF	0.001 mF	digits)
	60 mF	0.01 mF	± (10% of the value)

For reference
measurement only.

Temperature	-40 ... 40°C / -40 ...	1°C / 1.8°F	± (3% v. Mw + 5 digits)
	104°F	1°C / 1.8°F	± (2.5% vm + 3 digits)
	40 ... 400°C / 104 ...	1°C / 1.8°F	± (3% v. Mw + 5 digits)
	752°F		
	400 ... 1000°C / 752 ...		
	1832°F		

Display	6000 digit OLED
Sampling rate	3 Hz
Jaw opening diameter	30 mm
Power supply	3 x 1.5V AAA battery
Automatic shutdown	1 ... 30 minutes (adjustable)
Operating conditions	0 ... 30°C / 32 ... 86°F, max. 80% rh
	30 ... 40°C / 86 ... 104°F, max. 75% rh
	40 ... 50°C / 104 ... 122°F, max. 45 rf
Storage conditions	-20 ... 60°C / -4 ... 140°F, max 80% rh
Dimensions	228 x 72 x 29 mm / 9 x 2.8 x 1.1 in
Weight	About 260 g / < 1 lb

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