

Clamp Meter PCE-OC 5



**Clamp Meter with oscilloscope function / 400 A AC / 600 V AC / DC / temperature measurement
TRMS multimeter with 2 kHz bandwidth / 200 kHz oscilloscope bandwidth**

The Clamp Meter is suitable for service technicians, stationary use in repair departments in specialist shops and in laboratories. The Clamp Meter is designed for current measurements up to 400 A AC. In addition to the current clamp function, the measuring clamp offers many functions that only a multimeter otherwise has. The Clamp Meter can also be used as an oscilloscope for simple maintenance applications.

In the oscilloscope mode of the Clamp Meter, in addition to the direct and alternating voltage, the current can also be visualized as a graph. This has the advantage that the waveform of the current can also be displayed on the multimeter. Due to the bandwidth of 200 kHz in oscilloscope mode, the Clamp Meter, this measuring instrument can also be used to measure the current on frequency converters. All functions and areas of the Clamp Meter are protected against overload. The Clamp Meter is suitable for conductor diameters up to 35 x 46 mm.

The Clamp Meter is powered by 1.5 V AAA batteries. The measured values and graphs are shown on the graphic LCD. In multimeter mode, up to 100 measured values can be stored and called up again on the display. The Clamp Meter can also save up to 10 graphs.

- ▶ 3 in 1 clamp meter
- ▶ LC display
- ▶ Current measurement up to 400 A AC
- ▶ 35 x 49 mm pliers opening
- ▶ temperature measurement
- ▶ easy to use
- ▶ Graphic display of the measurement signal
- ▶ memory function

Specifications

Measurement parameters

DC voltage

Measuring range	Max. resolution	Max. accuracy
400 mV	0.1 mV	$\pm (1.5\% \text{ of MW} + 10 \text{ digits})$
4 V	0.1 mV	(600 V DC)
40 V	0.1 mV	
400 V	0.1 mV	
600 V	0.1 mV	

Measurement parameters

AC voltage

Measuring range	Max. resolution	Max. accuracy
4 V	1 mV	$\pm (2\% \text{ of meas.} + 10 \text{ digits})$
40 V	1 mV	50 Hz ... 2 kHz
400 V	1 mV	
600 V	1 mV	

Measurement parameters

Alternating current

Measuring range	Max. resolution	Max. accuracy
40 A	10 mA	$\pm (2.5\% \text{ of MW} + 10 \text{ digits})$
400 A	0.1 A	(400 A / 50 Hz)

Measurement parameters

frequency

Measuring range	Max. resolution	Max. accuracy
10 Hz ... 30 kHz	0.1 Hz	$\pm (1\% \text{ of MW} + 5 \text{ digits})$ (4 ... 600 V)

Measurement parameters

resistance

Measuring range	Max. resolution	Max. accuracy
400 Ω	0.1 Ω	$\pm (1\% \text{ of meas.} + 5 \text{ digits})$
4 k Ω	0.1 Ω	(400 Ω ... 4 M Ω)

Subject to change



400 kΩ	0.1 Ω	± (3% of mw + 5 digits)
4 MΩ	0.1 Ω	(40 MΩ)
40 MΩ	0.1 Ω	

Measurement parameters capacity

Measuring range	Max. resolution	Max. accuracy
	n	
4 nF	1 pF	± (4% of meas. + 10 digits)
40 nF	1 pF	(4 nF ... 400 μF)
400 nF	1 pF	
4 μF	1 pF	± (10% of meas. + 15 digits)
400 μF	1 pF	(4 mF)
4 mF	1 pF	

Measurement parameters temperature

Measuring range	Max. resolution	Max. accuracy
	n	
-20 ... 250 °C	1 °C	± (2% + 3 °C)

Oscilloscope mode

Usable measurement functions	DC voltage
	AC voltage
	Alternating current

Bandwidth	2 kHz
Sample rate	2 kSa / s

General technical specifications

display	LC display
Power supply	3 x 1.5 V AAA batteries
Power consumption	approx. 80 mA
Battery life	180 min
Storage	Multimeter mode: 100 data records Oscilloscope mode: 10 waveforms
Operating conditions	0 ... 40 °C; Max. 75% RH:
Storage conditions	-10 ... 60 °C; Max. 90 RH
Forceps opening	35 x 49 mm
Dimensions	212 x 74 x 35 mm
Weight	264 g

Subject to change