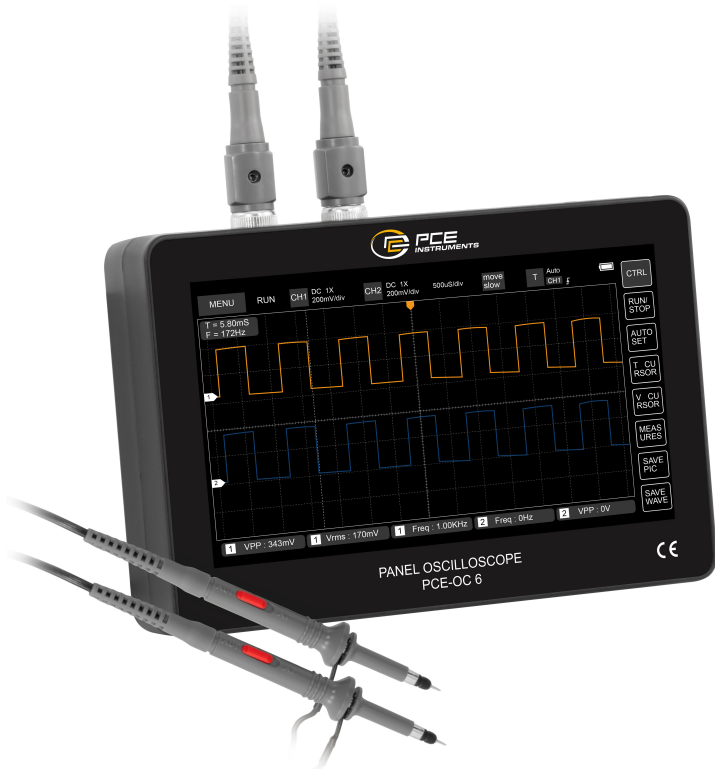


OSCILLOSCOPE

PCE-OC 6



- » **2 channel handheld oscilloscope**
- » **1 GSa/s sampling rate (1X=5 MHz, 10X=100 MHz)**
- » **voltage range: 0 ... 400 V**
- » **trigger adjustable**
- » **screenshot export via USB**
- » **7-inch TFT LCD touchscreen**
- » **6000 mAh rechargeable battery**

This modern oscilloscope impresses with a real-time sampling rate of up to 1 GSa/s and an analogue bandwidth of 100 MHz per channel. It is ideal for the precise acquisition of both periodic analogue and aperiodic digital signals. Thanks to the 7-inch colour TFT LCD touchscreen with a resolution of 800 × 480 pixels, the oscilloscope can be operated intuitively. The slim and lightweight design makes it particularly mobile and flexible to use.

The oscilloscope offers complete trigger functions (single/normal/automatic) and a practical one-button auto-setup function to quickly adjust signals. An integrated high-voltage protection module ensures safe measurements by tolerating continuous voltages of up to 400 V. The powerful waveform image manager also enables functions such as thumbnail view, detailed view, page turning, zooming and panning. A Lissajous graphic display for amplitude, frequency and phase analysis and an FFT view for analysing harmonics are also available, while a high-performance lithium battery with 6,000 mAh capacity enables up to four hours of continuous operation. This makes the oscilloscope ideal for mobile use. With an internal 1 GB memory, up to 1000 screenshots and as many sets of waveform data can be saved. The data can be transferred to a computer as a file via the USB-C interface.

The scope of delivery includes two 100 MHz probes and accessories as well as a power supply unit with data cable.

Specification

Oscilloscope specifications	
Number of channels	2
Bandwidth	100 MHz
Frequency accuracy	0,01 %
Sampling rate	1 GSa/s
Memory depth	240 kbit
Input impedance	1 M Ω
Probe factors	1x, 10x
Max. input voltage	400 V
Time base	10 ns ... 50 s
Vertical sensitivity	50 mV ... 500 V
Rise time	3 ns
DC gain accuracy	± 2 %

General technical data	
Display type	TFT touchscreen
Display size	7 Inch
Display resolution	800x480 pixels
Storage medium	Internal memory
Storage capacity	1 GB
Memory information	screenshot only
Operating time	4 h
Menu language	English (GB), English
Protection class (device)	IP20
Power supply	5 V DC (power supply unit included)
Connector type	Euro plug
(Rechargeable) battery	1 x 3,7 V internal , lithium-ion battery
Capacity	6000 mAh
Operating conditions	0 ... 50 °C , 0 ... 90 % RH
Storage conditions	0 ... 50 °C , 0 ... 90 % RH
Dimensions (L x W x H)	182 x 121 x 38 mm
Weight	606 g