

Clamp Meter PCE-PCM 1



PCE-PCM 1 Clamp Meter

Internal memory, USB cable and PC software / Three-phase power measurement / True RMS

PCE-PCM 1 is a multipurpose clamp meter or power analyzer used to measure alternating current (AC), voltage (TRMS) and frequency to determine active (kW), apparent (kVA) and reactive (kVAR) power as well as active energy (kWh) consumption. Both the phase angle and the power factor ($\cos \varphi$) are shown on the handheld power meter's large and easy-to-read backlit display.

The power analyzer aids in evaluating power and energy use in machines and electrical installations. The device's compact design allows for measurements to be taken in the field and on the go. Up to 99 measurement values can be saved to the internal memory of the power meter. The meter features a USB port, allowing for quick and easy data transfer to a PC for detailed analysis.

- ▶ Active power (kW)
- ▶ Apparent power (kVA)
- ▶ Reactive power (kVAR)
- ▶ Power factor ($\cos \varphi$)
- ▶ Phase angle
- ▶ Active energy counter (kWh)
- ▶ Auto range selection
- ▶ Voltage
- ▶ Current (AC)
- ▶ True RMS
- ▶ Frequency
- ▶ Internal memory saves up to 99 measurement values
- ▶ Minimum / maximum values
- ▶ Data hold
- ▶ Includes 2-year warranty against manufacturer defects
- ▶ Optional ISO calibration certificate sold separately - see accessories

Specifications

Voltage (AC / TRMS, 50 ... 200 Hz)	100 / 400 / 750V, \pm (1.2% + 5 digits)
Current (AC / TRMS, 50 ... 200 Hz)	40 / 100 / 400 / 1000 A, \pm (2.0% + 5 digits)
Active power measurement	4 ... 750 kW, \pm (3.0% + 5 digits)
Apparent power measurement	4 ... 750 kVA, \pm (3.0% + 5 digits)
Reactive power measurement	4 ... 750 kVAr, \pm (3.0% + 5 digits)
Active energy (kWh counter)	1 ... 9999 kWh, \pm (3.0% + 2 digits)
Power factor (cos φ) (min. 10 A / 45V)	0.3 ... 1 inductive or capacitive / \pm (0.02% + 2 digits)
Phase angle	0 ... 90°, \pm 2.0°
Frequency	50 ... 200 Hz, \pm (0.5% + 5 digits)
Internal memory	99 measurement values
Display	9999 values with bar graph and backlight
Power supply	1 x 9V battery
Dimensions	105 x 47 x 294 mm / 4.1 x 1.8 x 11.5 in
Weight	495 g / 1.1 lbs
Overvoltage category	CAT IV 600 V / CAT III 1000 V

See user manual for full details.

More information

Manual



More product info



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