

Clamp Meter PCE-360



PCE-360 Single-Phase / 1-Phase Power Meter

Power-analyzing clamp meter with data logger functionality / Includes clamps, clips, leads, PC software and data cable

The PCE-360 is a Single-Phase Power Meter or clamp meter with data logger functionality. This versatile power analyzer can take single-phase and three-phase power measurements both in real time and over an extended time period. The PCE-360 is used for the analysis of voltage (V), current (A), active power (kW), apparent power (kVA), reactive power (kVar), power factor ($\cos \Phi$), phase angle (Φ), frequency (Hz), rotary field (UL > 50V), active energy (MWh), apparent energy (MVAh), reactive energy (MVarh), harmonics (1 ... 63 order, via software), and waveforms (via software).

The meter's large and easy-to-read screen displays up to 10 measurements simultaneously. In manual mode, the device stores up to 99 measurements directly. In data logger mode, the device stores up to 10,000,000 sets of measurements to the 4 GB internal memory. Measured values are transferred easily to a PC using the included Windows-compatible software and data cable. In addition, four current clamps, four alligator clips, and four measuring leads are included in the delivery contents.

- For measurement in real time and over an extended time period up to 578 days @ 5 second sample rate
- ▶ Includes clamps, clips, leads, PC software and data cable
- ▶ Large, easy-to-read screen displays up to 10 measurements simultaneously
- ▶ Stores up to 99 measurements directly in manual mode or up to 10,000,000 sets of measurements to the 4 GB internal memory in data logger mode
- ▶ For analysis of voltage (V), current (A), active power (kW), apparent power (kVA), reactive power (kVar), power factor ($\cos \Phi$), phase angle (Φ), frequency (Hz), rotary field (UL > 50V), active energy (MWh), apparent energy (MVAh), reactive energy (MVarh), harmonics (1 ... 63 order, via software) and waveforms (via software)
- ▶ Battery-saving automatic shutdown after approximately 30 minutes of inactivity
- ▶ Device comes factory calibrated - optional ISO calibration certificate available for an additional fee (see accessories for details)

Subject to change

Specifications

AC Voltage measurement	50...600.0 V True RMS value
Accuracy	±1.5 % of measured value
Resolution	+10 digits / 0.1 V
AC Current measurement	3 ... 999.9 A True RMS value
Accuracy	±1.5 % of measured value
Resolution	+15 digits / 0.1 A
Active Power measurement P	150 W... 999.9 kW
Accuracy	±1.5 % of measured value
Resolution	+20 digits / 0.1 KW
Apparent Power measurement S	150 VA... 999.9 kVA
Accuracy	±1.5 % of measured value
Resolution	+20 digits / 0.1 KVA
Reactive Power measurement Q	150 VAR... 999.9 kVar
Accuracy	±1.5 % of measured value
Resolution	+20 digits / 0.1 KVar
Power Factor measurement	0 ... +1 COSψ
Accuracy	± 0.06
Resolution	0.001
Phase angle measurement	-90° +90° ψ
Accuracy	± 3°
Resolution	0.1
Frequency measurement (U > 50V)	40 ... 100 Hz
Accuracy	±1 % of measured value +2 digits
Resolution	0.1 Hz
Three Phase Sequence Detection (UL > 50V)	yes
Active Power Energy measurement	0 ... 9999 MWh
Accuracy	±1.5 % of measured value
Resolution	+20 digits
Apparent Power Energy measurement	0 ... 9999 MVAh
Accuracy	±1.5 % of measured value
Resolution	+20 digits

More information

Manual


Manual


More product info


Similar products


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Reactive Power Energy measurement	0 ... 9999 MVarh
Accuracy	±1.5 % of measured value
Resolution	+20 digits
Max. current clamp opening	40 mm / 1.57"
Data storage	50 records for manual storage 4 GB SD card for data logging (99 storage locations with 350,000 data records each)
Data interface	serial via USB cable
Display	illuminated LC display
Power supply	8 x 1.5 V type AA (Mignon)
Dimensions	235 x 117 x 54 mm / 9.25 x 4.61 x 2.13"
Weight	730 g / 1.61 lbs
Environmental conditions	max. 85% relative humidity / 0 ... +40 °C / 32 ... 104 °F
Protection class / standards	IP 30 / IEC 61 010, 600 V / CAT III

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