

THREE PHASE POWER ANALYZER

PCE-360



- » 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 ($\cos \varphi$), phase angle (φ), frequency (Hz), rotary field (UL > 5V), active energy (MWh), apparent energy (MVAh), reactive energy (MVArh), harmonics (1 ... 63 order, via software) and waveforms (via software)

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 clamp meter is used for the analysis of voltage (V), current (A), active power (kW), apparent power (kVA), reactive power (kVar), power factor ($\cos \varphi$), 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.

Specification

AC voltage

Measuring range up to 10 ... 999,9 V

Resolution 0,1 V

Accuracy $\pm(0.3\%$ of the measured value (of m.v.) ± 10 digits)

Alternating current AC

Measuring range up to 3 ... 999,9 A

Resolution 0,1 A

Accuracy $\pm(0.5\%$ of the measured value (of m.v.) ± 10 digits) @ >10 A

Overload 1000 A

Frequency range 45 ... 66 Hz

Active power

Measuring range up to 0,15 ... 999,9 kW

Resolution 0,1 kW

Accuracy $\pm 1\%$ of the measured value (of m.v.) ± 20 digits

Phase angle

Measuring range up to $-180 \dots +180^\circ$

Resolution 0,1°

Accuracy ± 15 Digits

Power factor

Measuring range up to $-1 \dots +1$

Resolution 0.001

Accuracy ± 10 digits

Frequency

Measuring range up to 40 ... 60 Hz

Resolution 0,1 Hz

Accuracy $\pm 0.1\%$ of the measured value (of m.v.) ± 2 digits

Harmonic measurement (harmonics)

Measuring range up to 1 ... 63 (ordinal number)

Current range 10 ... 999.9 A

Voltage range 10 ... 999.9 V

General technical data

Measuring functions MAX, HOLD

Frequency 45 ... 66 Hz

Display Typ LCD

Storage medium SD card

Storage capacity 4 GB

Memory capacity Additional information (99 memory locations with 350,000 data records each)

Storage interval from 5 s

Storage interval until 2 min.

Data interface RS232

Maximum cable diameter 42 mm

Menu language English (US), English (GB)

Protection class (device) IP30

Power supply 12V DC

Connector type Device Europlug

Battery/battery 8 x 1,5 V AA Battery (1.5V) , Alkali-Manganese

Battery capacity 3000 mAh

Operating conditions 0 ... 40 °C, 0 ... 85 %RH

Storage conditions 0 ... 40 °C, 0 ... 85 %RH

Dimensions (L x W x H) 235 x 117 x 54 mm

Weight 730 g