THREE PHASE POWER ANALYZER

PCE-360-ICA



- **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 ⍰), phase angle (⍰), 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 ⍰), phase angle (⍰), 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.

Specification

AC voltage	
Measuring range	10 ... 999,9 V
Resolution	0,1 V
Accuracy	±(0.3% of the measured value (of m.v.) ±10 digits)
Alternating current AC	
Measuring range	3 ... 999,9 A
Resolution	0,1 A
Accuracy	±(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	0,15 ... 999,9 kW
Resolution	0,1 kW
Accuracy	±1 % of the measured value (of m.v.) ±20 digits
Phase angle	
Measuring range	-180 ... +180 °
Resolution	0,1 °
Accuracy	±15 Digits
Power factor	
Measuring range	-1 ... +1
Resolution	0.001
Accuracy	±10 digits
Frequency	
Measuring range	40 ... 60 Hz
Resolution	0,1 Hz
Accuracy	±0.1% of the measured value (of m.v.) ±2 digits
Harmonic measurement (harmonics)	
Measuring range	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.
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

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