CLAMP METER

PCE-GPA 62-ICA



- **Real-time test, register and measurement of voltage and current (real**
- **effective)**
- **Measures power factor and phase angle, frequency, energy, active, reactive**
- **and apparent power (single-**
- **phase or three-phase in symmetrical networks).**
- **Max. conductor diameter: 55 mm / 2.2 in**
- **Graphic display**
- **Auto shut-off after 15 min. (this function may be disabled)**
- **Optional ISO calibration**
- **incl. ISO-Calibration Certificate**

The Three-Phase Clamp Meter (Graphic Power Quality Analyzer) PCE-GPA 62 is used for single-phase or three-phase measurements of the active, reactive and apparent power, power factor, phase angle, energy, voltage, current as well as peaks and harmonics up to 50º of the harmonic waveform. The Three-Phase Clamp Meter PCE-GPA 62 comes with a built-in graphic display to show network analyzer values. Measured values can be both recorded and transferred to a PC for further analysis. The Three-Phase Clamp Meter PCE-GPA 62 is a professional handheld device to determine several parameters. Thanks to the backlight display, it is possible to get an accurate reading of measured values even with poor light conditions. Although the Three-Phase Clamp Meter PCE-GPA 62 comes calibrated from the manufacturer, an optional laboratory calibration and certificate, that meets ISO standards, can be ordered separately with the device or when an annual recalibration is required.

Specification

AC voltage	
Measuring range	4 ... 600 V
Resolution	0,1 V
Accuracy	±0.5 % ±5 digits
Overload	800V
Frequency range	50 ... 60 Hz
Alternating current AC	
Measuring range	4 ... 1500 A
Resolution	0,1 A
Accuracy	±1% ±5 digits
Overload	2000 A
Frequency range	50 ... 60 Hz
Active power	
Measuring range	10 ... 999,9 W
Resolution	0,1 W
Accuracy	±1% ±20 digits (>20V and >20 A) / ±2% ±40 digits (<20V <20 A)
Active power	
Measurement range up to	1 kW
Measurement range from	9,999 kW
Resolution	0,001 kW
Accuracy	±1% ±20 digits (>20V and >20 A) / ±2% ±40 digits (<20V <20 A) W
Active power	
Measuring range	10 ... 99,99 kW
Resolution	0,01 kW
Accuracy	±1% ±20 digits (>20V and >20 A) / ±2% ±40 digits (<20V <20 A)
Active power	
Measuring range	100 ... 999,9 kW
Resolution	0,1 kW
Accuracy	±1% ±20 digits (>20V and >20 A) / ±2% ±40 digits (<20V <20 A)
Active power	
Measuring range	1000 ... 9999 kW
Resolution	1 kW
Accuracy	±1% ±20 digits (>20V and >20 A) / ±2% ±40 digits (<20V <20 A)
Reactive power	
Measuring range	10 ... 999,9 VAR
Resolution	0,1 VAR
Accuracy	±2% ±30 digits (>20V and >20 A) / ±3% ±40 digits (<20V <20 A)
Reactive power	

General technical data	
Measuring functions	HOLD
Frequency	50 ... 60 Hz
Display type	LCD graphic display with backlight
Display size	2 Inch
Storage medium	Internal memory
Storage capacity	50000 Data records
Interface	USB
Standard(s)	EN 61010-2-032
Maximum cable diameter	55 mm
Automatic power-off	15 min
Safety standard	CAT III 600V
Dimensions	Current clamp opening: max. 55 mm
Measuring range selection	Automatic
Menu language	English, English (GB)
Protection class (device)	IP20
(Rechargeable) battery	2 x 1,5 V AA battery , Alkali-manganese
Capacity	3000 mAh
Operating conditions	-10 ... 50 °C , 0 ... 85 % RH
Storage conditions	-10 ... 50 °C , 0 ... 85 % RH
Dimensions (L x W x H)	271 x 112 x 46 mm
Weight	650 g

PCE Instruments UK Ltd.
Chester Rd, Old Trafford Suite 1N-B, Trafford House, M32 0RS Manchester
Great Britain

Phone: +44 (0) 161 4649020
info@pce-instruments.co.uk

Measuring range	1 ... 9,999 kVAR
Resolution	0,001 kVAR
Accuracy	±2% ±30 digits (>20V and >20 A) / ±3% ±40 digits (<20V <20 A)
Reactive power	
Measuring range	10 ... 99,99 kVAR
Resolution	0,01 kVAR
Accuracy	±2% ±30 digits (>20V and >20 A) / ±3% ±40 digits (<20V <20 A)
Reactive power	
Measuring range	100 ... 999,9 kVAR
Resolution	0,1 kVAR
Accuracy	±2% ±30 digits (>20V and >20 A) / ±3% ±40 digits (<20V <20 A)
Reactive power	
Measuring range	1000 ... 9999 kVAR
Resolution	1 kVAR
Accuracy	±2% ±30 digits (>20V and >20 A) / ±3% ±40 digits (<20V <20 A)
Phase angle	
Measuring range	-180 ... +180 °
Resolution	0,1 °
Accuracy	±1 °
Phase angle	
Measuring range	0 ... 360 °
Resolution	0,1 °
Accuracy	±1°
Apparent power	
Measuring range	10 ... 999,9 VA
Resolution	0,1 VA
Accuracy	±1% ±20 digits (>20V and >20 A) / ±2% ±40 digits (<20V <20 A)
Apparent power	
Measuring range	1 ... 9,999 kVA
Resolution	0,001 kVA
Accuracy	±1% ±20 digits (>20V and >20 A) / ±2% ±40 digits (<20V <20 A)
Apparent power	
Measuring range	10 ... 99,99 kVA
Resolution	0,01 kVA
Accuracy	±1% ±20 digits (>20V and >20 A) / ±2% ±40 digits (<20V <20 A)
Apparent power	
Measuring range	100 ... 999,9 kVA
Resolution	0,1 kVA
Accuracy	±1% ±20 digits (>20V and >20 A) / ±2% ±40 digits (<20V <20 A)

Apparent power	
Measuring range	1000 ... 9999 kVA
Resolution	1 kVA
Accuracy	±1% ±20 digits (>20V and >20 A) / ±2% ±40 digits (<20V <20 A)
Power factor	
Measuring range	0 ... 1
Resolution	0.001
Accuracy	±0.04 (>20 V and >20 A) / ±0.1 (<20 V and <20 A)
Active energy	
Measuring range	0 Wh ... 999,999 kVArh
Resolution	20 Digits
Accuracy	±1% of Rd
Apparent energy	
Measuring range	0 VAh ... 999,999 kVAh
Resolution	20 Digits
Accuracy	±1% of Rd
Reactive energy	
Measuring range	0 varh ... 999,999 kVArh
Resolution	20 Digits
Accuracy	±1% of Rd
Frequency	
Measuring range	46 ... 65 Hz
Resolution	0,1 Hz
Accuracy	±0.3 Hz
Harmonic measurement (harmonics)	
Measuring range	1 ... 50 (ordinal number)

PCE Instruments UK Ltd.
Chester Rd, Old Trafford Suite 1N-B, Trafford House, M32 0RS Manchester
Great Britain

Phone: +44 (0) 161 4649020
info@pce-instruments.co.uk