

# POWER QUALITY ANALYSIS POWER ANALYZER

## PCE-PA 6500 SERIES

### Power analyzer for energy monitoring / configuration and data transfer via app

The power analyser measures current and voltage values using the connected current transformers and test leads. From this, the active, apparent and reactive power are determined and transmitted to the measuring platform every second via Wi-Fi. The data is then filed historically on the power analyser, processed graphically and can be analysed or exported. The measurement with the power analyser

is carried out using Rogowski coils or folding current transformers. Alternatively (if no internet connection is available), the data can be recorded in the built-in 8 MB flash memory in the form of a CSV file for further processing at a later date.

### ISO cal option

- » active, apparent and reactive power
- » power factor and electrical energy
- » 8 MB internal memory
- » app for Android
- » data as CSV file
- » measurement via Rogowski coils
- » no additional mains connection necessary



## APPLICATION



## TECHNICAL SPECIFICATIONS

Sampling rate	26000 Hz
Storage medium	Internal memory
Memory capacity	8 MB
Memory capacity (additional information)	separate phases: 22000 data records, summarised phases: 38000 data records
Storage interval from	1 s
Storage interval to	60 min
Current consumption of current clamp	100 mA DC
Maximum cable diameter	49 mm
Safety standard	CAT III 300V
Fuse(s)	250mA, FA, IR>=30kA
Menu language	German, English (GB), English (US), Spanish, French
Protection class (device)	IP40
Power supply	100 ... 240 V 50/60 Hz (+/- 10%) (between neutral conductor and phase A)
Weight	202 g
Operating conditions	-5 ... 40 °C, 0 ... 80 % RH
Storage conditions	-5 ... 40 °C, 0 ... 80 % RH
Dimensions ( L x W x H )	123 x 96 x 36 mm

### Models:

PCE-PA 6500 F150	incl. 3x Rogowski coils 150 mm - Rogowski coils 2 .... 4800 A RMS (flexible)
PCE-PA 6500 F50	incl. 3x Rogowski coils 50 mm - Rogowski coils 2 .... 1250 A RMS (flexible)
PCE-PA 6500 R11	incl. 3x Folding current transformer 11 mm Folding current transformer 0 .... 80 A RMS (rigid)

<b>Alternating voltage AC</b>	
Measurement range	40 ... 400 V
Resolution	0.01 V
Accuracy	±1% of Rd.

<b>Alternating current AC</b>	
Measurement range	2 ... 1250 A
Resolution	0.01 A
Accuracy	±1% of Rd.

<b>Active power</b>	
Measurement range	80 W ... 500 kW
Resolution	0.01 W
Accuracy	±1% of Rd.

<b>Reactive power</b>	
Measurement range	80 VAR ... 500 kVAR
Resolution	0.01 VAR
Accuracy	±1% of Rd.

<b>Apparent power</b>	
Measurement range	80 VA ... 500 kVA
Resolution	0.01 VA
Accuracy	±1% of Rd.

<b>Power factor</b>	
Measurement range	0 ... 1
Resolution	0.01
Accuracy	±1% of Rd.



Subject to change without notice