

POWER ANALYSER

PCE-PA 6500 F50-ICA



- » **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**
- » **incl. ISO-Calibration Certificate**

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. An SD card adaptor is also available as an accessory, which means that the recording duration is more than one year, even when recording to the second. It is also possible to send the CSV files periodically by e-mail, upload them to a server via FTP or transfer them to the measurement platform once the measurement has been completed.

Specification

AC voltage		General technical data	
Measurement range up to	40 ... 400 V	Measuring rate	26000 Hz
Resolution	0,01 V	Storage medium	Internal memory
Accuracy	±1 % of Rd	Storage capacity	32 GB
Alternating current AC		Memory capacity (additional information) separate phases: 22000 data records, summarised phases: 38000 data records	
Measurement range up to	2 ... 20000 A	Storage interval from	1 s
Resolution	0,01 A	Storage interval to	60 min.
Accuracy	±1 % of Rd	Current consumption current clamp	100 mA DC
Active power		Maximum cable diameter	49
Measurement range up to	80 W ... 8000 kW	Safety standard	CAT III 300V
Resolution	0,01 W	Fuse(s)	1000 V, 250 mA, FF
Accuracy	±1 % of Rd	Max. power-off capacity	100 kA
Reactive power		Menu language	German, English (GB), English, Spanish, French
Measurement range up to	80 VAR ... 8000 kVAR	Protection class (device)	IP40
Resolution	0,01 VAR	Power supply	100 ... 240 V 50/60 Hz (+/- 10%) (between neutral conductor and phase A)
Accuracy	±1 % of Rd	(Rechargeable) battery	1x 3 V CR 2032 (button cell 3V), Lithium-ion manganese oxide
Apparent power		Capacity	245 mAh
Measurement range up to	80 VA ... 8000 kVA	Operating conditions	-5 ... 40 °C, 0 ... 80 % RH
Resolution	0,01 VA	Storage conditions	-5 ... 40 °C, 0 ... 80 % RH
Accuracy	±1 % of Rd	Dimensions (L x W x H)	123 x 96 x 36 mm
Power factor		Weight	202 g
Measurement range up to	0 ... 1		
Resolution	0,01		
Accuracy	±1 % of Rd		