



power meter with RS-232interface and software to analyse power consumption

ThePCE-PA6000 power meter is a tabletop device for measuring effectivepower, apparent power, power factor, energy consumption, current, continuous voltage, resistance and frequency. The power meter alsooffers the possibility to connect industrial current converters with atransmission relation of 100/5A or 1000/5A. Its large 93 x 52mm LCD iseasy to read and provides a variety of results, including Watts, cos φ , ACV and ACA. With the optional PCE-PA ADP current adaptor withground wire (up to 16ACA) it can safely and quickly measure and analysewith the help of the power meter. Measurement of current and power canbe done directly with test cables that come with the device orindirectly using the clamps. The device has an RS-232 interface, andsoftware* to analyse results and transfer data to a computer. This makesit the ideal device for any workshop or for measuring power to determinefaults in devices.

*Soft-lut-usb software is available in the accessories tab

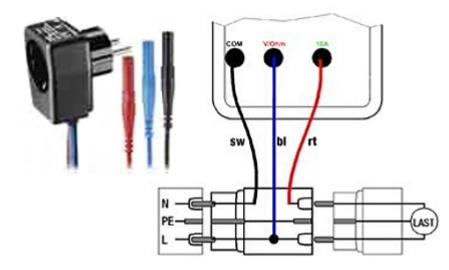
-Multimeter function

- -Measurement of direct current connecting a sensor head or current clamp
- -Measures effective and apparent power
- -Measures power factor
- -Measures energy consumption (kWh)
- -Data hold / Peak hold
- -Function Hold / Alarm function High / Low
- -Interface RS-232
- -Powered by mains adaptor or batteries
- -Safety standards: IEC-1010-1; CAT II 600V





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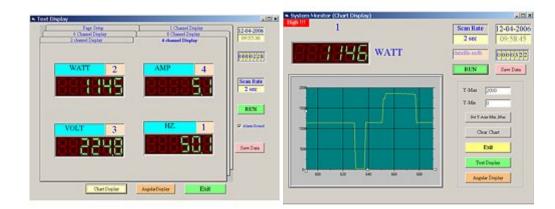
This image shows the optional PCE-PA-ADPcurrent adaptor

Ampclamp adaptor for measuring current indirectly up to 1000A without interrupting the conductor.

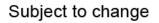
- Range: 200 / 1000DCA / ACA
- Accuracy: ±1.5 / 2%
- DCA zeroreset
- Dimensions: 190 x 64 x 33mm
- Maximum diameterof the conductor: 33.5mm



Ampclamp adaptor for the PCE-PA 6000 power meter



The images above show the software which isused to analyse data and is supplied with the power meter. It can show 4 measurement values at a time and the graphic display can easily storedata over an extended period to be analysed later.





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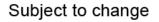
Specifications

Technical specifications

Function	Measurement range; Accuracy; Resolution
Measurement of real power (AC, real value of power), direct measurement	1 W 6 kW; 1 W; ±1,5 % + 1 dgt.
Measurement of real power (AC, real value of power), with adaptor ext. or current converter	1 W 999,9 kW; 1 W; ±1,5 % + 1 dgt.
Measurement of apparent power (AC)	0.01VA to 9.999kVA; 0.01VA; ±1.5% +1 digit
Power factor (cos φ)	0.00 to 1.00; 0.01; ±1.5% +2 digit
KWh counter	0.001Wh to 9,999kWh; 0.001Wh; ±1% +1 digit
ACV / DCV	0.1V to 600V; 0.1 / 1V; ±1% +1 digit
ACA eff/rms DCA eff/rms	direct maximum 10A; 10mA, with induction head max. 1,000A;1A; ±1% +1 digit
ACA with clamps	up to 2,000A (depending on clamps)
Frequency	10.0 to 999Hz; 0.1Hz; 1% +1 digit
Ohms	1 Ω to 19.99kΩ; 1 / 10 Ω; ±1% +1 digit
Display	93 x 52mm multi functional LCD
Operating conditions	max. 80% r.h. / 0 to 50°C / 32 to 122°F
Power	6 AA batteries or mains adaptor
Dimensions	280 x 210 x 90 mm / 11 x 8.2 x 3.5 in
Weight	1,600 g / 56.4 oz
Examples of use	

More information







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