DIGITAL POWER METER

PCE-PA 7500



- **Power Measurement Range: .1 ... 5 W**
- **Current Measurement Range: .1 ... 2 A AC**
- **Frequency, Power Factor, Energy**
- **Accuracy: ±(.4% of measured value + .1)**
- **2 Input Channels**
- **Color Display**

The electrical tester is designed for accurate measurement and analysis of parameters such as power consumption and quality. The power meter has 2 input channels for measuring voltage, current, active power, power factor, frequency, and energy consumption in kWh. In addition to the color display, the electrical tester has additional input jacks for measurements up to 2 A. The measurement range of .1 ... 5 W allows power measurement for many consumers in industry and crafts. The electrical tester has a current measurement range of .1 ... 2 A AC with a resolution of 1 mA.
In the settings of the electrical tester, an alarm value can be set for the power and current value, which gives an audible warning when exceeded. The electrical tester comes with 4 safety measurement cables, and the measurement jacks are also protected against electric shock to enable the operator to measure safely. The power meter can be used in the laboratory on the table as well as in industrial environments, thanks to the adjustable stand bracket.

Specification

AC voltage	
Measuring range	2 ... 250 V
Resolution	0,01 V
Accuracy	±(0.4% of the measured value (of m.v.) +0.1)
Alternating current AC	
Measuring range	0,001 ... 20 A
Resolution	0,001 A
Accuracy	±(0.4% of the measured value (of m.v.) +0.1)
Active power	
Measuring range	0,1 ... 5000 W
Resolution	0,1 W
Accuracy	±(0.4 % of the measured value (of m.v.) +0.1)
Power factor	
Measuring range	0,001 ... 1
Resolution	0.0001

General technical data	
Number of measuring channels	3
cable length	2 m
Frequency	10 ... 100 Hz
Display Typ	TFT-Color Display
Display size	4,3 Inch
Measuring method	Trms
Measuring interval of	0,1 s
measurement interval up to	5 s
Menu language	English (US), Chinese, English (GB)
Protection class (device)	IP20
Power supply	100 ... 240V AC
Connector type	IEC plug
Operating conditions	0 ... 40 °C , 0 ... 93 %RH
Storage conditions	0 ... 55 °C , 0 ... 93 %RH
Dimensions (L x W x H)	355 x 265 x 110 mm
Weight	2870 g

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