

Pressure Gauge PCE-PDA 1000L



PCE-PDA 1000L Pressure Gauge

Digital pressure gauge for measuring relative pressure from -100 ... 2000 kPa / Data logger / MAX MIN HOLD functions / USB interface / Graphic LCD

The relative pressure gauge PCE-PDA 1000L measures the relative pressure on machines and systems. The relative pressure is measured by this pressure gauge in the range between -100 ... 2000 kPa. The relative pressure gauge has a quick coupling connection with which the air pressure or water pressure can be directly applied to the device. In addition to the measurement in kPa, many other pressure units are available to the user. The large LCD on the relative pressure gauge continuously visualizes the measured values. It is also possible to freeze the maximum or minimum measured value in the display via the Max-Min-Hold function. Likewise, the relative pressure gauge in the second display area optionally displays the system temperature or a pressure difference if a leak test has been carried out.

The PCE-PDA 1000L relative pressure gauge has a data logger. The memory has 1024 memory locations. Recordings of up to 255h can be stored in each memory location. To evaluate the stored measured values, software is available to the relative pressure gauge. The pressure gauge for relative pressure is supplied by 2 AA batteries. Here the user can either use batteries or rechargeable batteries. In battery operation, the relative pressure gauge PCE-PDA 1000L can be charged via a micro USB port.

- ▶ Graphic LCD
- ▶ USB interface
- ▶ Data logger
- ▶ Relative pressure and vacuum measurement
- ▶ Adjustable measuring units
- ▶ MAX MIN HOLD functions
- ▶ Measured value smoothing
- ▶ Integrated temperature measurement

Specifications

Pressure measuring range	-100 ... 2000 kPa relative
Resolution	0.01 kPa, 0.1 kPa
Accuracy	< ± 0.5% of the measuring range
Nominal pressure	2000 kPa
Overpressure	2000 kPa
Burst pressure	3000 kPa
Media	Liquids Air Non-explosive gasses
Measuring rate	10 Hz
Measurement units (adjustable)	Pa, hPa, kPa, MPa, mbar, bar, ATM, kg / cm ² , mmH ₂ O, cmH ₂ O, inH ₂ O, mmHg, inHg, Torr, PSI, PSF
Principle	Relative pressure
Pressure connections	5 mm (0.2 in) nipple for quick connection
Max, min and hold functions	Yes
Data logger	1024 memory slots 1 s ... 255 h recording time per memory location 1 s ... 24 h recording interval
Medium	For air and non-explosive gases
Zero correction	Yes, with a zero key
Averaging	Yes, between 0.1 ... 9.9 s
Display	Graphic LCD with backlight
Ingress protection (IP) rating	IP41
Power supply	2 x 1.2V NiMh batteries 5V / 500-mA USB power adapter
Current consumption	50-mA (with backlight) 10-mA (without backlight)
Operating temperature	0 ... 50°C / 32 ... 122°F
Storage temperature	10 ... 55°C / 50 ... 131°F
Dimensions	145 x 85 x 35 mm / 5.71 x 3.35 x 1.38 in
Weight	Approx. 285 g / < 1 lb

More information

Manual



More product info



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