

PRESSURE GAUGE

PCE-PDA 1000L



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

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.

Specification

Pressure	
Measuring range	-100 ... +2000 kPa
Resolution	0,01 kPa
Accuracy	<±0.5% of range
Temperature	
Measuring range	0 ... 50 °C
Resolution	0,1 °C
Accuracy	±1 °C

General technical data	
Measuring functions	ALARM, HOLD, MAX, MIN, Average value
Units	kPa, MPa, Pa, PSF, psi, Torr, inHg, mmHg, inH ₂ O, cmH ₂ O, mmH ₂ O, kg/cm ² , ATM, bar, mbar, hPa
Connections	5 mm nipple for quick connector
Display type	LCD graphic display with backlight
Display size	3 in
Display refresh rate	5 x per second
Measuring rate	10 Hz
Storage medium	Internal memory
Storage capacity	1024 Values
Storage interval from	1 s
Storage interval to	255 h
Interface	Micro-USB
Current consumption meter	50 mA DC
Measured medium	non-explosive gases, Air
Operating time	100 h
Automatic power-off	255 min
Housing	ABS (acrylonitrile-butadiene-styrene copolymers)
Overpressure	2000 kPa
Menu language	English, English (GB), German, Czech
Protection class (device)	IP41
Power supply	5 V, 500 mA
Connector type	Device-europlug
(Rechargeable) battery	2 x 1,2 V AA - rechargeable battery , Nickel-metal hydride battery
Capacity	2000 mAh
Operating conditions	0 ... 50 °C , 0 ... 90 % RH
Storage conditions	10 ... 55 °C , 0 ... 80 % RH
Dimensions (L x W x H)	170 x 100 x 30 mm
Weight	230 g