

# DIFFERENTIAL PRESSURE GAUGE

PCE-917



- » **± 5 to 7000 mbar (± 0.05 / 0.1 to 101.5 psi) measuring range**
- » **10 measurement units: psi, mbar, inH<sub>2</sub>O, mH<sub>2</sub>O, inHg, mmHg, Torr, Pa / kPa,**
- » **atm, kg/cm<sup>2</sup>**
- » **Designed to measure air, gas and non-corrosive liquid pressures**
- » **Min, max and data hold functions**
- » **RS-232 port / interface**
- » **15 mm / 0.6 in LCD screen**
- » **Optional PC software with RS-232 cable sold separately as a data transfer**
- » **accessory**

PCE-917 is a portable handheld digital differential pressure gauge, meter or manometer used to measure differential pressure in pneumatic, compressor and pump installations, valves, tanks and heating, ventilation and air conditioning (HVAC) systems. The PCE-917 features a dust-proof, splash-resistant housing, allowing the meter to be used under adverse conditions.

The PCE-917 differential pressure manometer comes with 1 x 1 m / 3 ft long silicon tube, 2 x stainless steel tube adapters and 1 x 9V block battery. Optional PC software with RS-232 cable sold separately as a data transfer accessory. The software can be used to transmit the data to a computer for evaluating, documenting and storing pressure fluctuations. Simply connect the differential manometer via RS-232 to your computer for analysis. If your computer doesn't have an RS-232 interface, you may acquire an RS-232 to USB adapter (see accessories tab for details).

## Specification

Differential pressure	
Measurement range up to	-7000 ... +7000 mbar
Resolution	5 mbar
Accuracy	±2 % FS.
Differential pressure	
Measurement range up to	-101,5 ... +101,5 psi
Resolution	0,05 psi
Accuracy	±2 % FS.
Differential pressure	
Measurement range up to	-2800 ... +2800 inH <sub>2</sub> O
Resolution	2 inH <sub>2</sub> O
Accuracy	±2 % FS.
Differential pressure	
Measurement range up to	-70 ... +70 mH <sub>2</sub> O
Resolution	0,05 mH <sub>2</sub> O
Accuracy	±2 % FS.
Differential pressure	
Measurement range up to	-206 ... +206 inHg
Resolution	0,1 inHg
Accuracy	±2 % FS.
Differential pressure	
Measurement range up to	-5250 ... +5250 mmHg
Resolution	5 mmHg
Accuracy	±2% FS.
Differential pressure	
Measurement range up to	-6,905 ... +6,905 atm
Resolution	0,005 atm
Accuracy	±2% FS.
Differential pressure	
Measurement range up to	-7 ... +7 kg/cm <sup>2</sup>
Resolution	0,005 kg/cm <sup>2</sup>
Accuracy	±2% FS.

General technical data	
Measuring functions	MIN, MAX, HOLD, peak
Display type	LCD with backlight
Display size	2,8 Inch
Interface	RS232
Automatic power-off	10 min
Repeatability	1 %
Measuring interval	0,8 s
Menu language	English, English (GB)
Protection class (device)	IP20
(Rechargeable) battery	1 x 9 V 9V block , Alkali-manganese
Capacity	640 mAh
Operating conditions	0 ... 50 °C , 0 ... 80 % RH
Storage conditions	0 ... 50 °C , 0 ... 80 % RH
Dimensions ( L x W x H )	180 x 72 x 32 mm
Weight	210 g