DIGITAL MANOMETER

PCE-P05



- **Easiest operation**
- **11 selectable units: mbar, bar, psi, kPa, ...**
- **Measuring range from -344 ... +344 mbar / -5. to +5. psi**
- **Min / max and average value display**
- **"Hold" function**
- **Backlight can be switched on / off**
- **For long-term measurements including power supply**
- **Software with USB cable included**
- **Battery level indicator**
- **Auto-off function that can be switched off**
- **Zero point adjustment possible at any time**

PCE-P5 is a portable handheld digital differential pressure manometer used to measure differential pressure in pneumatic, compressor and pump installations, valves, tanks and heating, ventilation and air conditioning (HVAC) systems. The PCE-P5 displays min / max / average values right on the meter's screen for comparison against current measurement values.

In addition, the PCE-P5 differential pressure manometer features real-time data-logging capabilities with an adjustable interval from 1 second to 24 hours. The device comes with 4 x 3 cm / 11.81 in silicon tubes, 1 x 9V block battery and 1 x AC power adapter. Also included in the delivery contents are PC-compatible software and a USB cable. The software can be used to detect and document pressure fluctuations, and to display the data graphically or in a table. For real-time data recording, simply connect the differential manometer via USB to your computer, and save the measured values according to your selected time interval. You can then calculate average values directly in the software or export the saved data to Microsoft Excel.

Specification

Differential pressure	
Measuring range	-344,7 ... +344,7 mbar
Resolution	0,1 mbar
Accuracy	±0.3% FS at 25°C
Differential pressure	
Measuring range	-5 ... +5 psi
Resolution	0,001 psi
Accuracy	±0.3% FS at 25°C
Differential pressure	
Measuring range	-138,3 ... +138,3 inH20
Resolution	0,1 inH20
Accuracy	±0.3% FS at 25°C
Differential pressure	
Measuring range	-34,47 ... +34,47 kPa
Resolution	0,01 kPa
Accuracy	±0.3% FS at 25°C
Differential pressure	
Measuring range	-1,018 ... +1,018 inHg
Resolution	0,001 inHg
Accuracy	±0.3% FS at 25°C
Differential pressure	
Measuring range	-258,5 ... +258,5 mmHg
Resolution	0,1 mmHg
Accuracy	±0.3% FS at 25°C / 77°F
Differential pressure	
Measuring range	80 ... 80 ozin²
Resolution	0,01 ozin²
Accuracy	±0.3% FS at 25°C / 77°F
Differential pressure	
Measuring range	-11,53 ... +11,53 ftH20
Resolution	0,001 ftH20
Accuracy	±0.3% FS at 25°C / 77°F
Differential pressure	
Measuring range	-351,5 ... +351,5 cmH20
Resolution	0,1 cmH20
Accuracy	±0.3% FS at 25°C / 77°F
Differential pressure	
Measuring range	-0,351 ... +0,351 kg/cm²

General technical data	
Measuring functions	MIN, MAX, HOLD, AVG
Display Typ	LCD with illumination
Storage interval from	1 s
Storage interval until	24 h
Interface	Mini-USB
Response time	0,5 s
Measuring medium	non-explosive gases, Air
Automatic power-off	20 s
Linearity	0,2 %
Menu language	English (US), English (GB)
Protection class (device)	IP20
Power supply	9V DC, 500 mA
Connector type	Device Europlug
Battery/battery	1 x 9 V 9V Block , Alkali-Manganese
Battery capacity	640 mAh
Operating conditions	0 ... 50 °C , 0 ... 80 %RH
Storage conditions	-10 ... 60 °C , 0 ... 80 %RH
Dimensions (L x W x H)	210 x 75 x 50 mm
Weight	289 g

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Resolution	0,001 kg/cm²
Accuracy	±0.3% FS at 25°C / 77°F
Differential pressure	
Measuring range	-0,344 ... +0,344 bar
Resolution	0,001 bar
Accuracy	±0.3% FS at 25°C / 77°F