



Differential Pressure Manometer PCE-P01



PCE-P01 Differential Pressure Manometer

Portable handheld meter measures differential pressure from -0.137 to 0.137 bar (-2.000 to 2.000 psi) / capabilities using the included PC software and USB cable

PCE-P01 is a portable handheld digital differential pressure manometer used to measure differential pressure in pump installations, valves, tanks and heating, ventilation and air conditioning (HVAC) systems. The PCE-P01 has a memory function right on the meter's screen for comparison against current measurement values.

In addition, the PCE-P01 differential pressure manometer features real-time data-logging capabilities with a memory function up to 24 hours. The device comes with 4 x 30 cm / 11.81 in silicon tubes, 1 x 9 V block battery and 1 x AC power adapter. The delivery contents are PC-compatible software and a USB cable. The software can be used to detect and document data and display the data graphically or in a table. For real-time data recording, simply connect the differential manometer to a PC and save the measured values according to your selected time interval. You can then calculate average values and export the saved data to Microsoft Excel.

- -0.137 to 0.137 bar (-2.000 to 2.000 psi) measuring range
- ▶ 11 measurement units: bar, mmHg, ozin², kgcm², psi, inH₂O, kPa, ftH₂O, inHg, cmH₂O, mbar
- ▶ Data hold function
- ▶ Zero adjustment at any time

Specifications

Measuring range (\pm)

inH ₂ O	55.40
psi	2.000
mbar	137.8
kPa	13.79
inHg	4.072
mmHg	103.4
ozin ²	32.00
ftH ₂ O	4.612
cmH ₂ O	140.6
kgcm ²	0.140
bar	0.137

Resolution

inH ₂ O	0.01
psi	0.001
mbar	0.1
kPa	0.01
inHg	0.001
mmHg	0.1
ozin ²	0.01
ftH ₂ O	0.001
cmH ₂ O	0.1
kgcm ²	0.001
bar	0.001

Accuracy (at 25°C / 77°F)	\pm 0.3%
Linearity	\pm 0.2%
Response time	Approx. 0.5 sec.
Max. pressure	689 mbar
Operating temperature	0 ... 50°C / 32 ... 122°F
Storage temperature	-10 ... 60°C / 14 ... 140°F
Media	Air and non-explosive gases
Real-time data-logging interval	1 sec. to 24 h adjustable
Display	Dual LCD
Dimensions	210x 75 x 50 mm / 8.27 x 2.95 x 1.97 in (H x W x D)
Weight (without batteries)	650 g / 1.44 lbs
Power supply	Battery: 1 x 9V block AC adapter: 9V DC / 500-mA