



Differential Pressure Meter PCE-P05



PCE-P05 Differential Pressure Meter

Portable handheld manometer measures differential pressure from -0.344 to 0.344 bar (-5.000 to 5.000 psi) with data logging capabilities using the included PC software and USB cable

PCE-P05 is a portable handheld digital differential pressure meter or manometer used to measure differential pressure in compressor and pump installations, valves, tanks and heating, ventilation and air conditioning (HVAC) systems. It displays current / average values right on the meter's screen for comparison against current measurement values.

In addition, the PCE-P05 differential pressure manometer features real-time data-logging capabilities with a memory capacity of up to 24 hours. The device comes with 4 x 30 cm / 11.81 in silicon tubes, 1 x 9V 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, 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.

- -0.344 to 0.344 bar (-5.000 to 5.000 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	138.30
psi	5.000
mbar	344.7
kPa	34.47
inHg	1.018
mmHg	258.5
ozin ²	80.00
ftH ₂ O	11.53
cmH ₂ O	351.5
kgcm ²	0.351
bar	0.344

Resolution

inH ₂ O	0.1
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

Measuring range: 0.000 to 5.000 psi

Units of measure: bar, mmHg, ozin², kgcm², psi, inH₂O, kPa, ftH₂O, inHg, cmH₂O, mbar

Resolution: 0.001 psi

Accuracy: \pm 0.2% of full scale at 25°C / 77°F

Response time: 0.5 seconds

Power supply: 1 x 9V battery or 1 x 9V DC / 500-mA power supply (included)

Approx. Dimensions: 210 x 75 x 50 mm / 8.27 x 2.95 x 1.97 in

Approx. Weight: 650 g / 1.44 lb

See user manual for complete technical specifications.