

# Differential Pressure Manometer PCE-P01-ICA Incl. ISO Calibration Certificate



## PCE-P01 Differential Pressure Manometer incl. ISO calibration certificate

**Portable handheld meter measures differential pressure from -0.137 to 0.137 bar (-2.000 to 2.000 psi) / Features real-time data-logging 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 pneumatic, compressor and pump installations, valves, tanks and heating, ventilation and air conditioning (HVAC) systems. The PCE-P01 displays min / max / average values 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 an adjustable interval from 1 second 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. 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.

- -0.137 to 0.137 bar (-2.000 to 2.000 psi) measuring range

- ▶ 11 measurement units: bar, mmHg, ozin<sup>2</sup>, kgcm<sup>2</sup>, psi, inH<sub>2</sub>O, kPa, ftH<sub>2</sub>O, inHg, cmH<sub>2</sub>O, mbar
- ▶ Data hold function
- ▶ Zero adjustment at any time
- ▶ Low battery indicator
- ▶ Auto power off (can be disabled)
- ▶ Large dual LCD screen with backlight (on / off mode)
- ▶ Displays min / max / average values right on the meter's screen for comparison against current measurement values
- ▶ Features real-time data-logging capabilities using the included PC software and USB cable

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# Specifications

## Measuring range (±)

|                   |       |
|-------------------|-------|
| inH2O             | 55.40 |
| psi               | 2.000 |
| mbar              | 137.8 |
| kPa               | 13.79 |
| inHg              | 4.072 |
| mmHg              | 103.4 |
| ozin <sup>2</sup> | 32.00 |
| ftH2O             | 4.612 |
| cmH2O             | 140.6 |
| kgcm <sup>2</sup> | 0.140 |
| bar               | 0.137 |

## Resolution

|                   |       |
|-------------------|-------|
| inH2O             | 0.01  |
| psi               | 0.001 |
| mbar              | 0.1   |
| kPa               | 0.01  |
| inHg              | 0.001 |
| mmHg              | 0.1   |
| ozin <sup>2</sup> | 0.01  |
| ftH2O             | 0.001 |
| cmH2O             | 0.1   |
| kgcm <sup>2</sup> | 0.001 |
| bar               | 0.001 |

|                                 |   |
|---------------------------------|---|
| Accuracy (at 25°C / 77°F)       | ± 0.3%  |
| Linearity                       | ± 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<br>AC adapter: 9V DC / 500-mA |

# More information

Manual



Software Manual



More product info



Similar products



Subject to change