

Differential Pressure Meter PCE-P15



PCE-P15 Differential Pressure Meter

Handheld dual-port digital manometer measures gauge pressure and true differential pressure from 0 to 15 psi

PCE-P15 is a differential pressure meter used to measure gauge pressure and true differential pressure in pneumatic, hydraulic, compressor and pump installations, valves, tanks and heating, ventilation and air conditioning (HVAC) systems. 11 pressure units are selectable for Imperial and Metric measurement, including bar, mmHg, ozin², kgcm², psi, inH₂, kPa, ftH₂O, inHg, cmH₂O and mbar.

Gauge pressure is measured relative to the ambient atmospheric pressure. Thus, changes in the atmospheric pressure due to weather conditions or altitude directly influence the output of a gauge pressure sensor. A gauge pressure higher than the ambient pressure is referred to as positive pressure. If the measured pressure is below the atmospheric pressure, it is called negative or vacuum gauge pressure.

Although most gauge pressure sensors technically are differential pressure sensors — measuring the difference between the media and atmospheric pressure — true differential pressure sensors are used to identify the difference between two separate physical areas. PCE-P15 features two pressure ports and a differential pressure function for measuring true differential pressure.

- ▶ 0 to 15 psi measuring range
- ▶ 11 measurement units: bar, mmHg, ozin², kgcm², psi, inH₂, kPa, ftH₂O, inHg, cmH₂O, mbar
- ▶ Stores min / max values
- ▶ Data hold function
- ▶ Auto power off (can be disabled)
- ▶ Large LCD screen with backlight
- ▶ ABS plastic housing
- ▶ Connects to PC via RS-232 interface (cable and software not included - see accessories)

Specifications

Measuring range: 0 to 15 psi
Units of measure: bar, mmHg, ozin², kgcm², psi, inH2, kPa, ftH2O|, inHg, cmH2O, mbar
Resolution: 0.01 psi
Accuracy: ± 0.3% of full scale at 25°C / 77°F
Response time: 0.5 seconds
Power supply: 1 x 9V battery
Approx. dimensions: 72 x 182 x 30 mm / 2.84 x 7.17 x 1.18 in
Approx. weight: 220 g / < 1 lb (with battery)

See user manual for complete technical specifications.

More information

Manual



More product info



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