

Pressure Meters

PCE-Pxx

Differential pressure meter for air and gas measurement with optional cable and software

Highly accurate professional pressure meter. With this unit, besides measuring, you will be able to transmit data to a PC. This instrument is ideal for industrial applications, technical service or for a laboratory (especially for measuring non-corrosive gases). It has overload protection (double measurement range) to avoid damaging the sensor. We have four models available with a measurement range up to 7 bar.

- 9 measuring units to choose from
- Positive, negative and differential pressures
- 2 pins of Ø 4 mm
- Memory LCD
- It is used in heating and air conditioning, in pneumatic systems, in medical units, etc.
- ISO Certificate (optional)



Technical specifications

Model	PCE-P05	PCE-P15	PCE-P30	PCE-P50	
PSI	Range	0 to ±5	0 to ±15	0 to ±30	0 to ±100
	Resolution	0.003	0.01	0.02	0.1
mbar	Range	0 to ±350	0 to ±1000	0 to ±2000	0 to ±6900
	Resolution	0.2	1	2	4
InH ₂ O	Range	0 to ±140	0 to ±415	0 to ±830	0 to ±2750
	Resolution	0,1	0,3	0,5	2
InHg	Range	0 to ±9.999	0 to ±30.5	0 to ±61	0 to ±200
	Resolution	0.001	0.05	0.01	0,1
mmHg	Range	0 to ±260	0 to ±750	0 to ±1500	0 to ±5200
	Resolution	0.2	0.5	1	3
kPa	Range	0 to ±35	0 to ±100	0 to ±200	0 to ±690
	Resolution	0.02	0.1	0.2	0.4
cmH ₂ O	Range	-	0 to ±1050	0 to ±2100	0 to ±7000
	Resolution	-	1	2	4
Kg/cm ²	Range	-	0 to ±1.05	0 to ±2,1	0 to ±7,0
	Resolution	-	0.001	0.002	0.004
Accuracy	±0.3 % (full range at +25 °C)				
Reproducibility	±0.2 % (maximum ±0.5 % of final value)				
Measurement interval	0.3 ms				
Min, Max, Peak, Hold	yes				
Interface	yes, RS-232				
Software	yes, as optional, for data transfer and check (in English)				
PC requirements	CD player, Windows 95 or better				
Power	9 V battery (PP3)				
Enclosure	ABS plastic				
Dimensions	182 x 72 x 30 mm				
Weight	150 g				

Contents

Differential pressure meter (one of our models), carrying case and user's manual

Model No. Description

PCE-P05	Gas pressure meter up to 0.35 bar
PCE-P15	Gas pressure meter up to 1.00 bar
PCE-P30	Gas pressure meter up to 2.00 bar
PCE-P50	Gas pressure meter up to 6.90 bar

Optional accessories

SOFTP-AZ	Software and data cable
CAL-PCE-P	ISO Certificate
SS-AZ	Silicon probe (2 m)



PCE-910 & PCE-917

Differential pressure meter for air and liquid measurements (you can't use it with acids or bleaches)

The digital differential pressure meter is ideal for industrial or laboratory uses. With this unit you can measure hydraulic or pneumatic systems. The most important feature of this differential pressure meter is its accuracy. The RS-232 interface allows the user to transmit the data to a computer for analysis and evaluation. We have optional software and an RS-232 data cable available. If your PC only has a USB, we recommend the purchase of an RS-232 to USB adaptor.

- Selection of measurement units
- High, negative and differential pressures
- Min, Max, and Data-Hold
- RS-232 interface
- For measuring air, gas and non-corrosive liquids
- ISO Certificate (optional)



Technical specifications

Model	PCE-910	PCE-917	
PSI	Range	±29.00	±101.00
	Resolution	0.01	0.05
mbar	Range	±2000	±7000
	Resolution	1	5
inH ₂ O	Range	±802.0	±2800
	Resolution	0.5	2
mH ₂ O	Range	±20.40	±70.00
	Resolution	0.01	0.05
inHg	Range	±59.00	±206.0
	Resolution	0.02	0.1
mmHg	Range	±1500	±5250
	Resolution	1	5
Kg/cm ²	Range	±2.040	±7.000
	Resolution	0.001	0.005
atmospheres	Range	±1.974	±6.905
	Resolution	0.001	0.005
Accuracy	±2 % (full range)		
Reproducibility	±1 %		
Measurement interval	0.8 s		
Min, Max, Peak, Hold	yes		
Interface	RS-232		
Power	9 V battery (PP3)		
Enclosure	plastic		
Enclosure dimensions	180 x 72 x 32 mm		
Weight	345 g		

Contents

PCE-910 or PCE-917 differential pressure meter, carrying case, battery and user's manual

Model No. Description

PCE-910	Differential pressure meter for gas and liquids up to 2000 mbar
PCE-917	Differential pressure meter for gas and liquids up to 7000 mbar

Optional accessories

SOFT-LUT-D	Software with RS-232 cable
RS232-USB	RS-232 to USB Adaptor
CAL-AZ	ISO Certificate

