

Differential Pressure Meter

PCE-P01 & PCE-P05

Diff. Pressure Gauge for Air and Gases / USB and Softw.

- differential and static pressure gauge with selection of 11 units: mbar, bar, psi, kPa, ...
- USB interface / software with USB cable included
- zero adjustment possible at any time / MIN, MAX, PEAK-HOLD
- repeatability $\pm 0.2\%$ / response time 5 s



TECHNICAL SPECIFICATIONS

Unit		PCE-P01	PCE-P05
PSI	Range / resolution	0 ... $\pm 2 / 0.001$	0 ... $\pm 5 / 0.002$
mbar	Range / resolution	0 ... $\pm 140 / 0.1$	0 ... $\pm 350 / 0.2$
InH ₂ O	Range / resolution	0 ... $\pm 55 / 0.01$	0 ... $\pm 140 / 0.1$
InHg	Range / resolution	0 ... $\pm 4 / 0.001$	0 ... $\pm 10 / 0.002$
mmHg	Range / resolution	0 ... $\pm 103 / 0.1$	0 ... $\pm 260 / 0.2$
kPa	Range / resolution	0 ... $\pm 14 / 0.01$	0 ... $\pm 35 / 0.02$
cmH ₂ O	Range / resolution	0 ... $\pm 140 / 0.1$	0 ... $\pm 350 / 0.2$
kg/cm ²	Range / resolution	0 ... $\pm 0.14 / 0.001$	0 ... $\pm 2.1 / 0.002$
Accuracy	$\pm 0.3\%$ (whole range, at +25 °C)		
Power supply	1 x 9 V battery PP3		
Dim. / Weight	210 x 75 x 50 mm / 650 g		

INCLUDES

Differential pressure gauge (one of the models), 30 cm silicone tube, software, USB cable, battery, mains adaptor, instruction manual

ITEM NO.	ITEM
K-PCE-P01	pressure gauge up to 140 mbar
K-PCE-P05	pressure gauge up to 350 mbar

OPTIONAL ACCESSORIES

K-CAL-PM	ISO Calibration certificate
K-SS-AZ	PVC tube, 2m (inside diameter 3.5 mm)

PCE-P15, PCE-P30 & PCE-P50

Diff. Pressure Gauge for Air and Gases with RS-232

- 9 units to choose / positive, negative or differential pressure on digital display
- 2 connectors $\varnothing 4$ mm
- last measurement, Min / Max memory (MIN, MAX, PEAK-HOLD functions)
- LC display with backlight
- sampling rate 0.3 ms



TECHNICAL SPECIFICATIONS

Unit		PCE-P15	PCE-P30	PCE-P50
PSI	Range / resol.	0 ... $\pm 15 / 0.01$	0 ... $\pm 30 / 0.02$	0 ... $\pm 100 / 0.1$
mbar	Range / resol.	0 ... $\pm 1.000 / 1$	0 ... $\pm 2000 / 2$	0 ... $\pm 6900 / 4$
InH ₂ O	Range / resol.	0 ... $\pm 415 / 0.3$	0 ... $\pm 830 / 0.5$	0 ... $\pm 2750 / 2$
InHg	Range / resol.	0 ... $\pm 30.5 / 0.05$	0 ... $\pm 61 / 0.01$	0 ... $\pm 200 / 0.1$
mmHg	Range / resol.	0 ... $\pm 750 / 0.5$	0 ... $\pm 1500 / 1$	0 ... $\pm 5200 / 3$
kPa	Range / resol.	0 ... $\pm 100 / 0.1$	0 ... $\pm 200 / 0.2$	0 ... $\pm 690 / 0.4$
cmH ₂ O	Range / resol.	0 ... $\pm 1,050 / 1$	0 ... $\pm 2,100 / 2$	0 ... $\pm 7000 / 4$
Kg/cm ²	Range / resol.	0 ... $\pm 1.05 / 0.001$	0 ... $\pm 2.1 / 0.002$	0 ... $\pm 7.0 / 0.004$
Accuracy	$\pm 0.3\%$ (with repeatability 0.2 % (max. $\pm 0.5\%$ of value))			
Power supply	1 x 9 V battery PP3			
Dim. / Weight	182 x 72 x 30 / 150 g			

INCLUDES

Differential pressure gauge (one of the models), case, battery, instruction manual

ITEM NO.	ITEM
K-PCE-P15	pressure gauge up to 1.00 bar
K-PCE-P30	pressure gauge up to 2.00 bar
K-PCE-P50	pressure gauge up to 6.90 bar

OPTIONAL ACCESSORIES

K-SOFTP-AZ	software and data cable
K-CAL-PM	ISO calibration certificate
K-SS-AZ	PVC tube, 2m (inside diameter 3.5 mm)

PCE-910 & PCE-917

Differential Pressure Gauges for Gases and Liquids

- for all gases and liquids (except acids and alkaline solutions)
- negative, positive and differential pressure can be displayed
- MIN, MAX, DATA-HOLD functions
- for all non-aggressive gases and liquids
- sampling rate 0.8 s



TECHNICAL SPECIFICATIONS

Unit		PCE-910	PCE-917
PSI	Range / resolution	0 ... ±29.00 / 0.01	0 ... ±101.00 / 0.05
mbar	Range / resolution	0 ... ±2000 / 1	0 ... ±7.000 / 5
inH ₂ O	Range / resolution	0 ... ±802.0 / 0.5	0 ... ±2.800 / 2
mH ₂ O	Range / resolution	0 ... ±20.40 / 0.01	0 ... ±70.00 / 0.05
inHg	Range / resolution	0 ... ±59.00 / 0.02	0 ... ±206.0 / 0.1
mmHg	Range / resolution	0 ... ±1500 / 1	0 ... ±5.250 / 5
Kg/cm ²	Range / resolution	0 ... ±2.040 / 0.001	0 ... ±7.000 / 0.005
Atmosphere	Range / resolution	0 ... ±1.974 / 0.001	0 ... ±6.905 / 0.005
Accuracy	±2 % (whole range)	Repeatability	±1 %
Interface	RS-232	Software	optional
Power supply	1 x 9 V battery	Weight	345 g

INCLUDES

Digital differential pressure gauge (one of the models), battery, case, manual

ITEM NO.	ITEM
K-PCE-910	pressure gauge up to 2000 mbar
K-PCE-917	pressure gauge up to 7000 mbar

OPTIONAL ACCESSORIES

K-SOFT-LUT-USB	software incl. RS-232 interface cable
K-CAL-PCE-917	ISO calibration certificate for PCE-917
K-CAL-PCE-910	ISO calibration certificate for PCE-910
K-SS-AZ	PVC tube, 2m (inside diameter 3.5 mm)

DM3-Series

Diff. Pressure Gauge (Flow Measurement Possible)

- suitable for air and non-explosive gases + temperature measurement
- flow velocity measurement possible with Pitot-static tube
- display for pressure and flow velocity / calculates mean value every 1 ... 10 s
- Min. and Max. value memory / selectable units (Pa, kPa, m/s, ...)
- Automatic Power Off after 20 min / scalable analogue output



TECHNICAL SPECIFICATIONS

Measurement range	±200 Pa (1.5 ... 18 m/s) (DM3-1 model)
	±2 kPa (5 ... 58 m/s) (DM3-2 model)
	±20 kPa (15 ... 180 m/s) (DM3-3 model)
	±200 kPa (DM3-4 model)
Accuracy	0.5 % of final value
Response time	0.5 s
Display	4 digits for pressure, 3.5 digits for flow, LCD
Press. connections	universal connectors with 3 ... 6 mm interior diam.
Analogue output	included, 0 ... 1 ... 2 V
Reset	possible, by pressing zero button
Power supply	9 V battery approx. 120 operating hours
Dimens. / Weight	155 x 96 x 28.2 mm / approx. 300 g incl. battery

INCLUDES

Differential pressure gauge (one of the models), instruction manual

Reference	Item
K-DM3-1	differential pressure gauge
K-DM3-2	differential pressure gauge
K-DM3-3	differential pressure gauge
K-DM3-4	differential pressure gauge

OPTIONAL ACCESSORIES

K-CAL-PM	ISO calibration certificate
K-SR-483	Pitot-static tube 483 x 8 mm