

PK-P series – For pneumatic applications

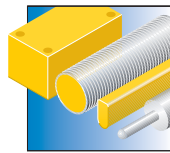


The PK-P pressure sensors operate with a piezo-resistive silicon cell. It is a silicon chip with direct medium contact. The P version has a rotatable, cylindrical body with display. These sensors are only made for non-aggressive gas and compressed air applications. The processed signal is provided at the switching output.

Features

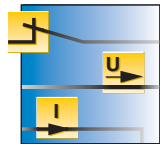
- Compact cylindrical design
- Rotatable sensor body
- 3-digit 7-segment display
- For pressure and vacuum monitoring
- Display rotatable by 180°
- Excellent EMC properties

Properties



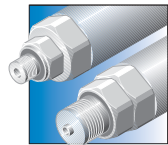
Design

Cylindrical version with laterally mounted display



Electrical versions

Dual-channel with switching outputs



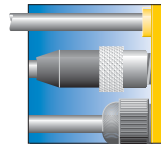
Mechanical connections

G1/4" or 1/4" NPT male thread



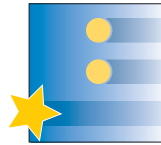
Measuring ranges

-1...10 bar relative pressure



Electrical connections

4-pole M8 x 1 connector




Special features

For pneumatic applications

P13 – G1/8" – Male



General data

Operating voltage	10.8...30 VDC
Protection type and class	IP65
Output 1 (PIN 4)	switching output
Output 2 (PIN 2)	switching output
Output function	 , PNP
Switching point accuracy	1 % of full scale
Repeatability	0.2 % of full scale

Switching frequency	400 Hz
Medium temperature	0...50 °C
Ambient temperature	-20...85 °C
Housing material	plastic, ABS
Electrical connection	connector, M8 x 1
Mechanical connection	G1/8" male thread


Types and data – selection table

Type	Measuring range	Admissible overpressure	w	d
PK01VR-P13-2UP8X-V1141	-1...0 bar rel.	5 bar	w100	d478
PK010R-P13-2UP8X-V1141	0...10 bar rel.	16 bar	w100	d478

P14 – 1/8" NPT – Male



General data

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Protection type and class	IP65
Output 1 (PIN 4)	switching output
Output 2 (PIN 2)	switching output
Output function	 , PNP
Switching point accuracy	1 % of full scale
Repeatability	0.2 % of full scale

Switching frequency	400 Hz
Medium temperature	0...50 °C
Ambient temperature	-20...85 °C
Housing material	plastic, ABS
Electrical connection	connector, M8 x 1
Mechanical connection	NPT1/8" males thread

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