



Perfect for pneumatic applications

Pressure sensor with G $\frac{1}{8}$ process connection

- Continuous transmission of process values via IO-Link, 2 switching outputs
- Robust stainless steel housing with high shock and vibration resistance
- Extensive parameter setting options and advanced diagnostics via IO-Link



ifm – close to you!

Measuring range of the relative pressure [bar]	Switch point accuracy [% of the span] ¹⁾	Repeatability [% of the span] ²⁾	Characteristics deviation [% of the span] ³⁾	Order no.
-1...0	< ±2.5	< ±0.25	< ±2.5	PV7829
-1...1	< ±1.5	< ±0.15	< ±1.5	PV7809
-1...10	< ±0.5	< ±0.05	< ±0.5	PV7804

¹⁾ to DIN EN 61298-2

²⁾ in case of temperature fluctuations <10 K

³⁾ linearity, incl. hysteresis and repeatability, limit value setting according to DIN EN IEC 62828-1

Robust sensors for pneumatic applications

The pressure sensors have a G $\frac{1}{8}$ process connection, combined with a welded thin-film measuring cell. While offering an unbeatable price/performance ratio, this technology provides for high measuring accuracy in a very compact and robust housing with only 19 mm across flats.

Further advantages

Thanks to the welded measuring cell, the sensors can be used in both pneumatic and inert gas applications.

Another advantage in industrial applications is the robust stainless steel housing. The latter comes with laser labelling, making the sensor permanently identifiable even in demanding environmental conditions.

IO-Link technology allows the pressure sensor to continuously transmit the system pressure and to output other diagnostic data, such as peak counters. Moreover, IO-Link enables loss-free data transmission: conversion losses are excluded and external influences, such as magnetic fields, have no effect on the data transmission.

Technical data	
Outputs	2 x PNP/NPN, IO-Link
Ambient temperature / medium temperature [°C]	-40...90
Communication interface	IO-Link 1.1, COM2
Protection rating	IP67, IP69K

BEST FRIENDS



AS-i AirBox
Decentralised control of pneumatic cylinders and quarter-turn actuators



PQ pressure sensor
Detects the system pressure in pneumatic systems



Leakage detector
Hand-held device for easy localisation of compressed air leaks



For further technical details, please visit:
ifm.com/fs/PV7829