



As compact as you need it to be

Flush G $\frac{1}{2}$ PL pressure sensor

- Ceramic measuring cell withstands highly viscous and abrasive media as well as pressure peaks
- Process connection in two lengths for ideal integration in every application
- Continuous transmission of pressure and temperature at a single measuring point



IP68



ifm – close to you!

Defies high pressures and abrasive media

Wherever highly viscous or abrasive media such as adhesives, glue or sealants are conveyed through pipes under exact and high pressure, the compact G½ type PL pressure transmitter is the ideal choice. The flush design provides no dead space for media to adhere to, effectively preventing clogging of the pipe. The PL also scores highly in other challenging applications, such as pumps, water filtration and mobile machines, thanks to its robustness.

Flush mount sealed or shorter installation length

ifm's own, extremely safe sealing concept of the PL15 prevents fluid media such as water or lacquers from entering the threaded area of the measurement connection under high pressure, from depositing there, or from mixing with or even contaminating subsequent media further into the process.

The PL13 with a shortened process connection and flat gasket is the ideal choice for installation in T-pieces and mounting adapters with standard dimensions.

2 in 1: pressure and temperature via IO-Link

In both versions, the PL can be operated either analogously as a two-wire system or digitally via IO-Link. In the latter case, the pressure and temperature can be read continuously, as the pressure transmitter also transmits the temperature of the medium so that a second measuring point is not necessary. The operating hours can also be read via IO-Link.

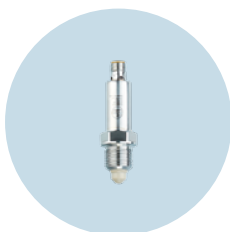
PF pressure sensor as an alternative with display

For applications with similarly challenging media, in which process values are to be read on the machine and parameter setting is to be carried out on the sensor itself, the PF15 pressure sensor is a suitable alternative.

Factory setting Measuring range [bar]	Measuring range Relative pressure [bar]	Order no.	
		Process connection 14 mm	Process connection 21 mm
0...160	0...160	PL1312	PL1512
0...100	0...100	PL1302	PL1502
0...60	0...60	PL1323	PL1523
0...40	-1...40	PL1343	PL1543
0...25	-1...25	PL1303	PL1503
0...16	-1...16	PL1314	PL1514
0...10	-1...10	PL1304	PL1504
0...6	-1...6	PL1315	PL1515
0...2.5	-0.125...2.5	PL1306	PL1506
0...1	-0.05...1	PL1307	PL1507

Common technical data	
Accuracy / deviation (in % of the span) Characteristics deviation (to DIN EN 62828-1)	< ± 0.5
Temperature monitoring Accuracy [K]	± 2.5 + (0.045 x (ambient temperature - medium temperature))
Medium temperature [°C]	-25...110
Materials (wetted parts)	ceramic, PTFE, FKM V4A (1.4435 / 316L)
Protection rating	IP67, IP68

BEST FRIENDS



LMC level sensor
Level detection on tanks
and containers



VVB vibration sensor
Easy condition monitoring
for pumps



SA flow sensor
Simultaneous detection of flow
rate and temperature



For further technical
details, please visit:
ifm.com/fs/PL1312