

Robust measurement, clear communication

Flush G½ pressure sensor with display

- Ceramic measuring cell withstands highly viscous and abrasive media as well as pressure peaks
- Display and three-button operation simplify process control on site
- Continuous transmission of pressure and temperature at a single measuring point



IP69

IO-Link

ifm – close to you!

Relative pressure [bar]		Relative pressure [psi]		Order no.	
Factory setting	Measuring range	Factory setting	Measuring range	[bar]	[psi]
0...100	-1...100	0,0...1450	-14,5...1450	**PF1502**	**PFU502**
0...60	-1...60	0,0...870	-14,5...870	**PF1523**	**PFU523**
0...40	-1...40	0,0...580	-14,5...580	**PF1543**	**PFU543**
0...25	-1...25	0,0...362,5	-14,5...362,5	**PF1503**	**PFU503**
0...16	-1...16	0,0...232	-14,5...232	**PF1514**	**PFU514**
0...10	-1...10	0,0...145	-14,5...145	**PF1504**	**PFU504**
0...6	-1...6	0,0...87	-14,5...87	**PF1515**	**PFU515**
0...2,5	-0,125...2,5	0,0...36,3	-1,8...36,3	**PF1506**	**PFU506**
-1...1	-1...1	-14,5...14,5	-14,5...14,5	**PF1509**	**PFU509**
0...1	-0,05...1	0,0...14,5	-0,72...14,5	**PF1507**	**PFU507**

Robust measuring cell, on-site process insights

The G½ PF pressure sensor is always the ideal choice whenever processes involving highly viscous or abrasive media conveyed through pipelines at precisely defined and high pressures need to be monitored directly on the system.

The ceramic measuring cell is extremely robust and can withstand pressure peaks. The rotatable display provides immediate insight in the process, and the PF15 can be configured on site using the proven three-button operation.

Flush, securely sealed

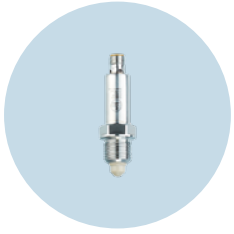
The flush design provides no dead space for media to adhere to, effectively preventing clogging of the pipe. ifm's exceptionally reliable sealing concept ensures that fluid media such as water or paints cannot enter the thread area of the process connection, even under high pressure. This prevents any media from settling in this area, mixing with subsequent media during the process, or causing contamination.

PL pressure sensor as a display-free alternative

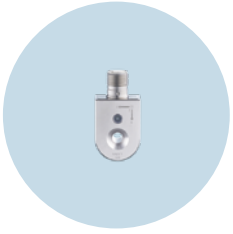
For applications with similarly challenging media, where no display or parameter setting is required on the sensor itself, the PL13 / PL15 series pressure sensors are a suitable alternative.

Common technical data		
Accuracy / deviation (in % of the span) Characteristics deviation (to DIN EN 62828-1)		< ± 0.5
Temperature monitoring Accuracy	[K]	± 2.0 + (0.045 x (ambient temperature - medium temperature))
Medium temperature	[°C]	-25...80
Materials (wetted parts)		ceramic, PTFE, FKM V4A (1.4435 / 316L)
Protection rating		IP67, IP68, IP69

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 and temperature

For further technical details, please visit: ifm.com/fs/PF1502

We reserve the right to make technical alterations without prior notice. · 11.2026
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