



Robust, flexible, hygienic

Pressure sensor with high-quality
ceramic measuring cell

- Overload-resistant measuring cell with good long-term stability
- High variability thanks to different process connections
- Zero point calibration via teach button or IO-Link
- Factory certificate for download free of charge



ifm – close to you!

| Factory setting measuring range [bar] | Measuring range relative pressure [bar] | Process connection /order no. | | | |
|---------------------------------------|---|-------------------------------|------------------------|------------------------|--|
| | | G1 male / Aseptoflex Vario | G1 male / sealing cone | G½ male / sealing cone | TriClamp DN25...DN40 (1...1,5") DIN 32676 (ISO 2852) |
| 0...100 | -1...100 | - | PM1602 | - | - |
| 0...40 | -1...40 | - | - | PM1543 | PM1143 |
| 0...25 | -1...25 | PM1703 | PM1603 | PM1503 | PM1103 |
| 0...16 | -1...16 | PM1714 | PM1614 | PM1514 | PM1114 |
| 0...10 | -1...10 | PM1704 | PM1604 | PM1504 | PM1104 |
| 0...6 | -1...6 | PM1715 | PM1615 | PM1515 | PM1115 |
| 0...4 | -1...4 | PM1705 | PM1605 | PM1505 | PM1105 |
| 0...2.5 | -0.125...2.5 | PM1706 | PM1606 | PM1506 | PM1106 |
| 0...1.6 | -0.1...1.6 | PM1717 | PM1617 | - | PM1117 |
| -1...1 | -1...1 | PM1709 | PM1609 | - | - |
| 0...1 | -0.05...1 | PM1707 | PM1607 | PM1507 | PM1107 |
| 0...0.4 | -0.05...0.4 | PM1718 | PM1618 | - | PM1118 |
| 0...0.25 | -0.0125...0.25 | PM1708 | PM1608 | - | PM1108 |
| 0...0.1 | -0.005...0.1 | PM1789 | PM1689 | - | - |

Maintenance-free and robust

On the process side, the pressure sensors are maintenance-free because they have no elastomer seal. The flush and robust ceramic measuring cell is resistant to pressure and vacuum shocks and to impact by abrasive substances. In addition, the sensor withstands medium temperatures of up to 150 °C (max. 1h). It is therefore particularly suitable for all common food applications.

Flexible fitting

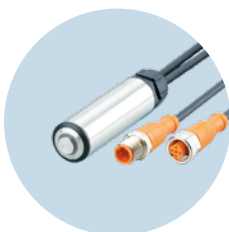
Thanks to the large choice of measuring ranges and process connections, you can install the sensors directly or via adapters both in pipes and in tanks. You can find suitable adapters for your requirements in our online shop.

Free factory certificate

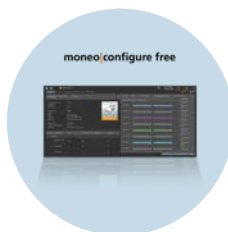
At www.factory-certificate.ifm you can download a free factory certificate for each PM pressure sensor purchased.

| Common technical data | |
|--|---|
| Step response time analogue output | [ms] 30 (2L) / 7 (3L) |
| Accuracy (in % of the span) deviation of the characteristics (to DIN EN 61298-2) | PM1x89 PM15xx PM1602 < ± 0.2 < ± 0,5 |
| Medium temperature | [°C] -25...125 (150 max. 1 h) |
| Materials (wetted parts) | Ceramic 99.9 %, PTFE, stainless steel (316L/1.4435) |
| Protection rating | IP69K |

BEST FRIENDS



Teach buttons
For simple manual zero point calibration



moneo|configure free
Software for parameter setting of the IO-Link infrastructure



IO-Link interface
For parameter setting of IO-Link devices on the PC



For further technical details, please visit: ifm.com/fs/PM1602