OPTIBAR P 1010 C and OPTIBAR P 2010 C – Industrial and hygienic pressure transmitters with long term stability

The OPTIBAR P 1010 C pressure transmitter was designed for general applications in the field of industrial measurement with pressure ranges up to 250 bar.

The OPTIBAR P 2010 C adds to this robust design with cavity-free, hygienic process connections. This provides repeatable and long-term stable measurement even with regular SIP/CIP cleaning, while simultaneously guaranteeing a high degree of chemical resistance to process and cleaning solutions.

The modular design of both series of devices allows you to combine a variety of process connections, pressure ranges and electrical connection variants.
Precision.
Despite their compact design, the OPTIBAR P 1010 C and OPTIBAR P 2010 C pressure transmitters feature an extraordinary baseline deviation after cut-off point setting of ±0.25% for this device class, which covers linearity, hysteresis and non-repeatability. The error band of the temperature influence on the zero point and the measuring span is within the compensated temperature range at ±0.75%.

Flexibility.
The joint device platform makes it possible to freely combine a wide variety of device options such as electrical connections, diaphragm material, fill oil, measuring range and process connection while observing fundamental device characteristics. A wide variety of pressure applications can now be carried out simply and efficiently with one device design.

Hygiene.
Thanks to its flush process diaphragm, the OPTIBAR P 2010 C is particularly well suited to pressure measurement tasks covering the viscous and crystallising media found in sterile process technology. In CIP compatible plants, however, the process connection must also comply with the advanced requirements.

The OPTIBAR P 2010 C product line offers most connection options including dairy (DIN11851), clamp ISO2852, Varivent®, BioConnect® and many more. All of these connections guarantee a defined sealing system, and ensure proper centering due to a mechanical guide and a cavity-free seal to the inside of the process pipe.

If the process temperature is consistently above 125°C, additional cooling pipe can be used to protect the sensitive electronics from process temperatures of up to 300°C.

Highlights:
- Baseline deviation ±0.25%
- Long-term stability ±0.1%/year
- Outstanding temperature stability at zero point
- Measuring ranges from 100mbar to 250bar
- Modular construction
- Hygienic process connections
- Protection class up to IP68
- cULus listed
- 3A, EHEDG conform

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