

Absolute and gauge pressure Cerabar PMP23

Cost-effective pressure transducer with fully welded design for the food & beverage industry



from **€222.00**

Price as of 06.05.2021

More information and current pricing:

www.endress.com/PMP23

Benefits:

- Easy and time-saving installation and set up within the plant due to very compact construction and customizable measuring ranges
- IO-Link reduces costs and complexity due to easy configuration via simple configuration tools or through the engineering system
- Fully welded process connections maximize process safety by minimizing the use of gaskets
- Enhanced process availability is ensured by the stringent use of 316L material and the possibility of IP 69 ingress protection for washdown conditions, as well as the high reproducibility and long-term stability of the product
- A high flexibility of use and therefore lower storage costs are guaranteed as the PMP23 is suitable for CIP / SIP cleaning
- The PMP23 can support the need for hygienic documentation and traceability in the plant as certification such as EHEDG, 3-A or (EC)1935/2004 are available among other relevant certificates and manufacturing declarations

Specs at a glance

- **Accuracy** 0.3%
- **Process temperature** -10...+100°C (+14...+212°F) 135°C for 1h (275°F for 1h)
- **Pressure measuring range** 400 mbar...+40 bar (6...+600psi)
- **Measuring cell** +400 mbar...+40 bar (+6 psi...+600 psi)

Field of application: The Cerabar PMP23 is a price-attractive and compact absolute or gauge pressure transmitter. The piezo-resistive measuring cell with flush-mounted 316L diaphragm was designed for

applications in the hygienic industry. PMP23 offers various EHEDG and 3-A certified hygienic process connections, materials with FDA conformity, EG1935/2004 conformity, IP69 protection, optional IO-Link and hazardous area certificates. The device can be delivered with customized measuring ranges up to 40bar.

Features and specifications

Continuous / Liquids

Measuring principle

Absolute and gauge pressure

Characteristic / Application

Cost-effective pressure transducer, piezoresistive sensor with metallic measuring diaphragm for hygienic applications

Supply / Communication

10...30 VDC

Accuracy

0.3%

Long term stability

0.2% of URL/year

Ambient temperature

-40...+85°C

(-40...+185°F)

Process temperature

-10...+100°C

(+14...+212°F)

135°C for 1h

(275°F for 1h)

Continuous / Liquids**Process pressure absolute / max. overpressure limit**160 bar (2400 psi)

Pressure measuring range

400 mbar...+40 bar

(6...+600psi)

Process connection

Thread:

G1, M24

Process connection hygienic

DIN11851,

Clamp,

SMS,

Varivent,

Universal adapter

Communication

4...20 mA

IO- Link

Certificates / ApprovalsATEX, FM, CSA, IEC Ex, NEPSI, EAC

Continuous / Liquids**Design approvals**

EN 10204-3.1

Final inspection report

Cleaned from oil + grease

Surface roughness measurement

Hygienic approvals

3A, EHEDG

EG1935/ 2004

Pressure**Measuring principle**

Absolute and gauge pressure

Characteristic

Cost-effective pressure transducer, piezoresistive sensor with metallic measuring diaphragm for hygienic applications

Supply voltage

10...30 VDC

Reference Accuracy

0.3 %

Long term stability

0.2 % of URL/year

Pressure**Process temperature**

-10 °C...+100 °C

(+14 °F...+212 °F)

+135 °C for 1 h

(+275 °F for 1 h)

Ambient temperature

-40 °C...+85 °C

(-40 °F...+185 °F)

Measuring cell

+400 mbar...+40 bar

(+6 psi...+600 psi)

Max. overpressure limit

160 bar (2400 psi)

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