

# Absolute and gauge pressure Cerabar PMP23

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



from **€236.00**

Price as of 05.07.2022

More information and current pricing:

[www.apsc.endress.com/PMP23](http://www.apsc.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

### 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

**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)

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**Pressure****Max. overpressure limit**160 bar (2400 psi)

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**Process connection**

Threads:

G1, M24

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**Process connection hygienic**

DIN11851,

Clamp,

SMS,

Varivent,

Universal adapter

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**Communication**

4...20 mA

IO- Link

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**Certificates / Approvals**ATEX, FM, CSA, IEC Ex, NEPSI, EAC

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**Design approvals**

EN 10204-3.1 Final inspection report

Cleaned from oil + grease

Surface roughness measurement

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**Hygienic approvals**

3A, EHEDG

EG1935/ 2004

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**Continuous / Liquids****Measuring principle**Absolute and gauge pressure

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**Characteristic / Application**Cost-effective pressure transducer, piezoresistive sensor with metallic measuring diaphragm for hygienic applications

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## Continuous / Liquids

**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)

**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

Continuous / Liquids

**Communication**

4...20 mA

IO- Link

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