

Absolute and gauge pressure Cerabar PMP21

Cost-effective pressure transducer with metal sensor for measurement in gases or liquids



Benefits:

- Easy and time-saving installation and set up within the plant due to very compact construction and customizable measuring ranges
- High reference accuracy of 0.3% together with high long-term stability and repeatability ensures a high quality of process monitoring
- Enhanced process availability is underpinned by the stringent use of 316L material and the possibility of a submersible version with IP68 ingress protection rating
- The need for documentation and traceability as well as safety in the plant can be supported by PMP21 as it ensures the compliance to various hazardous area and marine certifications and features optional EN10204 3.1 material certificates

from **SGD428.41**

Price as of 10.08.2022

More information and current pricing:

www.sg.endress.com/PMP21

Specs at a glance

- **Accuracy** 0.3%
- **Process temperature** -40...+100°C (-40...+212°F)
- **Pressure measuring range** 400 mbar...+400 bar (6...+6000psi)
- **Measuring cell** +400 mbar...+400 bar (+6 psi...+6000 psi)

Field of application: The Cerabar PMP21 is a price-attractive and very compact pressure transmitter. It features a piezo-resistive sensor and is able to measure absolute or gauge pressure from 400mbar up to 400bar. The PMP21 is designed to withstand the harsh conditions in the process industry with ingress protection grades up to IP 68 and high quality materials like 316L. It can be used in most areas as it offers various certifications like hazardous area or marine certificates.

Features and specifications

Pressure

Measuring principle

Absolute and gauge pressure

Characteristic

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

Supply voltage

10...30 VDC

Reference Accuracy

0.3 %

Long term stability

0.2 % of URL/year

Process temperature

-40 °C...+100 °C
(-40 °F...+212 °F)

Ambient temperature

-40 °C...+85 °C
(-40 °F...+185 °F)

Measuring cell

+400 mbar...+400 bar
(+6 psi...+6000 psi)

Max. overpressure limit

600 bar (9000 psi)

Process connection

Threads:
G1/4, G1/2,
MNPT1/4, MNPT1/2,
DIN13,
JIS R1/2

Pressure**Communication**

4...20 mA

Certificates / Approvals

ATEX, FM, CSA, IEC Ex, NEPSI, EAC, UK Ex

Design approvalsEN 10204-3.1 Final inspection report
Cleaned from oil and grease**Marine approvals**

DNV/ GL/ ABS/ LR/ RINA

Continuous / Liquids**Measuring principle**

Absolute and gauge pressure

Characteristic / Application

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Supply / Communication

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Ambient temperature-40...+85°C
(-40...+185°F)**Process temperature**-40...+100°C
(-40...+212°F)

Continuous / Liquids

Process pressure / max. overpressure limit

600 bar (9000 psi)

Pressure measuring range400 mbar...+400 bar
(6...+6000psi)**Process connection**Thread:
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