

Absolute and gauge pressure Cerabar PMC21

Cost-effective pressure transducer with ceramic 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. High quality guaranteed by 100% test coverage during production
- The high process availability even in difficult process environment is guaranteed due to various cleaning options and connection options. Furthermore IP68 version are available
- The need for documentation and traceability as well as safety in the plant can be supported by PMC21 as it ensures the compliance to various hazardous area and marine certifications and features optional EN10204 3.1 material certificates

from **CZK6,431.00**

Price as of 30.11.2022

More information and current pricing:

www.cz.endress.com/PMC21

Specs at a glance

- **Accuracy** 0.3 %
- **Process temperature** -25 °C...+100 °C (-13 °F...+185 °F)
- **Pressure measuring range** +100 mbar...+40 bar (+1.5 psi...+600 psi)
- **Measuring cell** +100 mbar...+40 bar (+1.5 psi...+600 psi)

Field of application: The Cerabar PMC21 is a very compact pressure transmitter. It features a capacitive, oil-free ceramic sensor and is able to measure absolute or gauge pressure from 100mbar up to 40bar. It is designed to withstand the harsh conditions in the process industry with ingress protection grades up to IP68 and highly abrasion resistant Ceraphire membrane as well as high quality 316L housing. 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, capacitive sensor with ceramic measuring diaphragm

Supply voltage

10...30 VDC

Reference Accuracy

0.3 %

Long term stability

0.2 % of URL/year

Process temperature

-25 °C...+100 °C
(-13 °F...+185 °F)

Ambient temperature

-40 °C...+85 °C
(-40 °F...+185 °F)

Measuring cell

+100 mbar...+40 bar
(+1.5 psi...+600 psi)

Max. overpressure limit

max. 60 bar
(900 psi)

Pressure**Process connection**

Threads:
G1/4, G1/2,
MNPT 1/4, MNPT 1/2,
DIN13,
JIS R1/2

Communication

4...20 mA

Certificates / Approvals

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

Design approvals

EN 10204-3.1 Final inspection report
Cleaned from oil and grease
Cleaned for oxygen applications

Marine approvals

RINA, KR

Continuous / Liquids**Measuring principle**

Absolute and gauge pressure

Characteristic / Application

Cost effective pressure transducer, capacitive sensor with ceramic measuring diaphragm

Supply / Communication

10...30 VDC

Accuracy

0.3 %

Long term stability

0.2 % of URL/year

Continuous / Liquids**Ambient temperature**

-40 °C...+85 °C
(-40 °F...+185 °F)

Process temperature

-25 °C...+100 °C
(-13 °F...+185 °F)

Process pressure / max. overpressure limit

max. 60 bar
(900 psi)

Pressure measuring range

+100 mbar...+40 bar
(+1.5 psi...+600 psi)

Process connection

Threads:
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