

# 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 **CHF235.00**

Price as of 05.12.2021

More information and current pricing:

[www.ch.endress.com/PMC21](http://www.ch.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

### 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

**Ambient temperature**

-40 °C...+85 °C  
(-40 °F...+185 °F)

**Process temperature**

-25 °C...+100 °C  
(-13 °F...+185 °F)

**Process pressure absolute / max. overpressure limit**

max. 60 bar  
(900 psi)

**Pressure measuring range**

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

---

**Continuous / Liquids****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 approval**

RINA, KR

---

**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

---

---

**Pressure****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)

---

**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

---

More information [www.ch.endress.com/PMC21](http://www.ch.endress.com/PMC21)