

Absolute and gauge pressure Ceraphant PTP31B

Cost-effective pressure switch with welded metal sensor for measurement in gases, steams or liquids



Benefits:

- Integrated switching electronics for decentral and economic process monitoring and control
- Function check and information on-site thanks to LEDs and digital display
- Overload-resistant sensor up to 400bar
- Small flush mounted process connections
- IO-Link reduces costs and complexity due to easy configuration and flexible integration in all fieldbus systems.

Specs at a glance

- **Measuring cell** +400 mbar....+400 bar (+6 psi...+6000 psi)

from **€236.00**

Price as of 26.04.2022

More information and current pricing:

www.endress.com/PTP31B

Field of application: The Ceraphant PTP31B is a price-attractive pressure switch with piezoresistive sensor for safe measurement and monitoring of absolute and gauge pressure. The pressure switch with compact design is extremely stable and overload resistant for up to +400 bar. The IO-Link capability allows easy integration and parametrization of the device.

Features and specifications

Pressure

Measuring principle

Pressure switch

Pressure**Characteristic**

Intelligent pressure switch with piezoresistive sensor,
longterm stable and overload resistant

Supply voltage

10...30 VDC

Reference Accuracy

0.5 %,
Platinum: 0.3 %

Long term stability

0.2 % of URL/year

Process temperature

-40 °C...+100 °C
(-40 °F...+212 °F)

Ambient temperature

-20 °C...+70 °C
(-4 °F...+158 °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

1x PNP switch
2x PNP switch
1x PNP switch +
4...20mA analogue
AC/DC, DC-PNP
IO-Link

Design approvals

EN 10204-3.1 Final inspection report
Cleaned from oil and grease
Set min alarm

Specialities

Digital display

More information www.endress.com/PTP31B