

Absolute and gauge pressure Ceraphant PTP33B

Cost-effective pressure switch with fully welded metal sensor for use in hygienic applications



Benefits:

- Integrated switching electronics for decentral and economic process monitoring and control
- Function check and information on site thanks to LEDs and digital display
- Compact pressure transducer for hygienic applications
- Suitable for CIP/SIP cleaning
- Small flush mounted hygienic process connections with 3-A and EHEDG certification
- 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....+40 bar (+6 psi....+600 psi)

from **€333.00**

Price as of 29.07.2026

More information and current pricing:

www.endress.com/PTP33B

Field of application: The Ceraphant PTP33B is a price-attractive pressure switch with metal diaphragm for safe measurement and monitoring of absolute and gauge pressure. The pressure switch with compact design is extremely stable and overload resistant. PTP33B with stainless steel housing is 3-A and EHEDG approved. The IO-Link capability allows easy integration and parametrization of the device.

Features and specifications

Pressure

Measuring principle

Pressure switch

Characteristic

Intelligent pressure switch with metal diaphragm for hygienic applications,
longterm stable

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 °C...+212 °F)

Ambient temperature

-20 °C...+70 °C
(-4 °F...+158 °F)

Measuring cell

+400 mbar....+40 bar
(+6 psi....+600 psi)

Max. overpressure limit

160 bar (2320 psi)

Process connection

Thread: M24

Process connection hygienic

DIN11851, Tri Clamp, SMS, Varivent

Pressure

Communication

1x PNP switch

2x PNP switch

1x PNP switch + 4...20 mA analogue

Design approvals

EN 10204-3.1 final inspection report,

Cleaned from oil and grease,

Set min alarm

Hygienic approvals

FDA concurring

3A, EHEDG,

EG1935/2004

Specialities

Digital display,

Fully welded process connections

More information www.endress.com/PTP33B