

# 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 **€243.00**

Price as of 05.12.2021

More information and current pricing:

[www.apsc.endress.com/PTP33B](http://www.apsc.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

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**Pressure****Measuring principle**Pressure switch

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**Characteristic**

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

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**Supply voltage**10...30 VDC

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**Reference Accuracy**

0.5 %,  
Platinum: 0.3 %

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**Long term stability**0.2 % of URL/year

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**Process temperature**

-40 °C...+100 °C  
(-40 °C...+212 °F)

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**Ambient temperature**

-20 °C...+70 °C  
(-4 °F...+158 °F)

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**Measuring cell**

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

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**Max. overpressure limit**160 bar (2320 psi)

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**Process connection**Thread: M24

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**Process connection hygienic**DIN11851, Tri Clamp, SMS, Varivent

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## Pressure

### Communication

1x PNP switch

2x PNP switch

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

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### Design approvals

EN 10204-3.1 final inspection report,

Cleaned from oil and grease,

Set min alarm

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### Hygienic approvals

FDA concurring

3A, EHEDG,

EG1935/2004

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### Specialities

Digital display,

Fully welded process connections

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More information [www.apsc.endress.com/PTP33B](http://www.apsc.endress.com/PTP33B)