

# Ceraphant T PTC31



More information and current pricing:

[www.endress.com/PTC31](http://www.endress.com/PTC31)

## Benefits:

- Integrated switching electronics for decentral and economic process monitoring and control
- Function check and information on site thanks to LEDs and digital display
- Dry capacitance ceramic sensor (Ceraphire)
- Overload-resistant high purity ceramic sensor (99.9% Al<sub>2</sub>O<sub>3</sub>)
- Best fit for vacuum applications and applications with abrasive media

## Specs at a glance

- **Measuring cell** 100mbar...40bar (1.5psi...600psi)

**Field of application:** The Ceraphant PTC31 is a price-attractive pressure switch with ceramic, vacuum tight measuring cell for safe measurement and monitoring of absolute and gauge pressure.

## Features and specifications

### Pressure

#### Measuring principle

#### Characteristic

Intelligent pressure switch with ceramic, vacuum tight measuring cell, longterm stable and overload resistant

#### Supply voltage

12...30VDC

#### Reference Accuracy

0,5%

#### Long term stability

0,15% of URL/year

## Pressure

**Process temperature**

-40°C...100°C  
(-40°F...212°F)

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**Ambient temperature**

-40°C...85°C  
(-40°F...185°F)

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**Measuring cell**

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

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**Max. overpressure limit**

60bar (900psi)

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**Process connection**

Threads

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**Communication**

1x PNP switch  
2x PNP switch  
1x PNP switch + 4...20mA analogue

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**Design approvals**

EN10204-3.1

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**Specialities**

Digital display  
Robust SS-housing with Ra < 0,8 micron

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