

Ceraphant T PTC31



More information and current pricing:

www.ch.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% Al₂O₃)
- 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)

Ambient temperature

-40°C...85°C
(-40°F...185°F)

Measuring cell

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

Max. overpressure limit

60bar (900psi)

Process connection

Threads

Communication

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

Design approvals

EN10204-3.1

Specialities

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

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