

Your Global Automation Partner

TURCK

PT1000/2000 Pressure Switch with IO-Link



Pressure Switch with IO-Link

The PT1000/2000 Pressure switch with IO-link is ideal for controlling pressure in industrial environments. Built on the platform of our rugged pressure transmitters, these switches feature two switching outputs independently adjustable via IO-Link. Additionally, IO-Link can be used to control the output state, switching behavior, and diagnostics as well as provide diagnostic information. The housings are made from 316 stainless to ensure durability while the measuring cell is ceramic or stainless steel depending on the pressure range selected.

Advanced Programming and Diagnostics with IO-Link

Standard process information such as pressure applied to the sensor and switching output conditions allow for flexible programming in the controller. Additionally, diagnostic data ensures simplified system troubleshooting.

Advanced diagnostic data includes:

- Under/over pressure
- High/low pressure memory
- Short circuit
- Low supply voltage
- Over temperature
- Device fault
- Operating hours

Benefits

- 2 configurable switching outputs
- Advanced diagnostics available via IO-Link

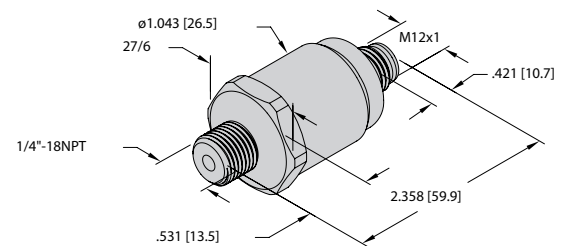
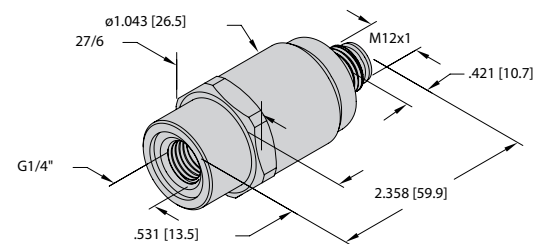
PT1000/2000 Pressure switch with IO-Link

- Pressure ranges up to 600 bar
- Medium temperature: -40 to +125 °C (1000 series)
-40 to +135 °C (2000 series)
- Excellent thermal characteristics
- Multiple process connection options
- Plug-in device, M12 × 1
- Vacuum ranges available

Variants

Ident No.	Model Number	Range	Process Connection
100017830	PT1VR-1001-IOL-H1141	-1 to 0 bar	Female G1/4
100017833	PT1VR-1003-IOL-H1141	-1 to 0 bar	1/4" Male NPT
100017831	PT1R-1001-IOL-H1141	0 to 1 bar	Female G1/4
100017834	PT1R-1003-IOL-H1141	0 to 1 bar	1/4" Male NPT
100017832	PT4R-1001-IOL-H1141	0 to 4 bar	Female G1/4
100017835	PT4R-1003-IOL-H1141	0 to 4 bar	1/4" Male NPT
100022449	PT10R-2001-IOL-H1141	0 to 10 bar	Female G1/4
100022450	PT10R-2003-IOL-H1141	0 to 10 bar	1/4" Male NPT
100017814	PT25R-2001-IOL-H1141	0 to 25 bar	Female G1/4
100017820	PT25R-2003-IOL-H1141	0 to 25 bar	1/4" Male NPT
100017815	PT40R-2001-IOL-H1141	0 to 40 bar	Female G1/4
100017821	PT40R-2003-IOL-H1141	0 to 40 bar	1/4" Male NPT
100017816	PT60R-2001-IOL-H1141	0 to 60 bar	Female G1/4
100017822	PT60R-2003-IOL-H1141	0 to 60 bar	1/4" Male NPT
100022478	PT100R-2001-IOL-H1141	0 to 100 bar	Female G1/4
100017823	PT100R-2003-IOL-H1141	0 to 100 bar	1/4" Male NPT
100022476	PT250R-2001-IOL-H1141	0 to 250 bar	Female G1/4
100017824	PT250R-2003-IOL-H1141	0 to 250 bar	1/4" Male NPT
100017817	PT400R-2001-IOL-H1141	0 to 400 bar	Female G1/4
100017825	PT400R-2003-IOL-H1141	0 to 400 bar	1/4" Male NPT

*Contact factory for additional variants



Dimensions in mm



30 subsidiaries and over
60 representations worldwide!

www.turck.com