

Industrial RTD Probe with IO-Link/Switch and 4 to 20 mA Outputs

Series PRTXI

The PRTXI series temperature transmitters are advanced sensors providing highly accurate temperature measurement with robust construction, versatile output options, and smart communication capabilities, making it ideal for demanding industrial applications.

Key Benefits & Features

Cost Savings and Durability

- High accuracy and reliable communication minimize failures, downtime, and maintenance costs.
- Long transmission distances with 4-20 mA output prevent signal loss.
- Robust 316L stainless steel housing and IP69K rating ensure long lifespan and consistent performance, even in harsh environments.

Efficiency and Versatility

- Seamless integration with existing automation systems via IO-Link, analog, and digital outputs.
- Flexible sizing, connection options, and quick diagnostics reduce installation time and troubleshooting.
- Wide range of applications.
- Reduces energy consumption and ensures consistent product quality.



Key Specifications

Temperature Measuring Range: -50 to 200 °C (-58 to 392 °F)

Ambient Temperature Range: -40 to 85 °C (-40 to 185 °F)

Operating Voltage: 15 to 30 VDC (IO-Link/Switch);
10 to 30 VDC (Analog)

Accuracy: Full Measuring Range ± 0.55 °C (0.99 °F) Scaled
Measuring Range $\pm [0.215$ °C (0.39 °F) + 0.134 %
x (Measuring Span)]

Output: IO-Link Communication / PNP Switch (200 mA)
/ Analog 4-20 mA

Response Time (Water): T90 = 2 sec (1/8 dia)

Housing Construction: 316L Stainless Steel,
IP67 / IP68 / IP69K rated

Certifications: CE, UKCA

Probe Lengths: 2 (custom lengths available upon request)

Process Connection Sizes: 1/4 " NPT, 3/8 " NPT, 1/2 " NPT; G
1/4 " , G 3/8 " , G 1/2 "

Common Applications

- Industrial Automation
- HVAC
- Energy and Utilities
- Data Centers
- Food and Beverage Industry
- Manufacturing and Machine Monitoring
- Pharmaceutical/Medical
- Automotive

