

Thermophant T TTR31

Temperature switch

Metric RTD compact thermometer with switch output for industrial applications



Benefits:

- Integrated switching electronics for decentral and economic process monitoring and control
- High reproducibility and long-term stability
- Function control and information on-site thanks to LEDs and digital display
- Long-term stable temperature sensor made of platinum (Pt100 class A as per IEC 60751)
- High accuracy across the entire ambient temperature range and short response time
- Operation and visualisation also with PC and FieldCare or ReadWin 2000 configuration software
- DESINA-compliant

from **€225.00**

Price as of 31.08.2025

More information and current pricing:

www.endress.com/TTR31

Specs at a glance

- **Accuracy** -50...75 °C: <0,5 K (-58...167 °F: <0,9 °F) 75...150 °C: <0,65 K (167...302 °F: <1,2 °F)
- **Operating temperature range** -50...150 °C (-58...302 °F)

Field of application: Cost efficiency, optimal use of space, reliable operation, easy installation and commissioning indicate modern process measuring technology. The temperature switch completely fulfills these requirements. Designed for the safe measurement and monitoring of process temperatures it can be selected between one or two switch outputs as well as one switch output and one standardized analog output. Vibration-proof integrated thin-film sensors guarantee highest operational safety.

Features and specifications

Temperature switch

Measuring principle

Temperature switch

Characteristic / Application

Intelligent temperature switch with Pt100 sensor (Class A)

DESINA compliant

Auxiliary power supply

12...30 V DC

Accuracy

-50...75 °C: <0,5 K

(-58...167 °F: <0,9 °F)

75...150 °C: <0,65 K

(167...302 °F: <1,2 °F)

Long term drift

<0,1K/a (<0,2°F/a)

Operating temperature range

-50...150 °C (-58...302 °F)

Process connection

threads, clamp connection

Hint

Not defined

More information www.endress.com/TTR31