

TST434

Resistance thermometer

Comprehensive and common temperature measurement technology for almost all branches of industry



More information and current pricing:

www.be.endress.com/TST434

Benefits:

- Robust terminal heads according to DIN EN 50446 or stable plastic housings offer optimal protection from extreme ambient conditions
- Reliable, long term stable and accurate indoor or outdoor ambient temperature measurement
- Simple and fast wall mounting
- Optional head transmitter with easy selection: Analog output 4 to 20 mA, HART®, PROFIBUS® PA or FOUNDATION Fieldbus™

Specs at a glance

- **Accuracy** class A acc. to IEC 60751 class B acc. to IEC 60751
- **Max. process pressure (static)** at 20 °C: 1 bar (15 psi)
- **Operating temperature range** PT 100: -30 °C ...100 °C (-22 °F ...212 °F)

Field of application: The RTD thermometer is especially designed for monitoring the room temperature. The device with head transmitter is a complete unit ready for use with enhanced measurement accuracy and reliability compared to directly wired sensors. For ambient temperature measurements indoor or outdoor.

Features and specifications

Thermometer

Measuring principle

Resistance Temperature Detector

Thermometer

Characteristic / Application

metric style
probe for ambient temperature measurement
without neck

Thermowell / protection tube

without (not intended to use with thermowell)

Outer diameter protection tube / Insert

20,0 mm (0,79")

Material protection tube/ thermowell

Aluminium

Operating temperature range

PT 100:
-30 °C ...100 °C
(-22 °F ...212 °F)

Max. process pressure (static)

at 20 °C: 1 bar (15 psi)

Accuracy

class A acc. to IEC 60751
class B acc. to IEC 60751

Integration head transmitter

yes (4 ... 20 mA; HART; PROFIBUS PA; FOUNDATION
FIELDBUS)

Certification

SIL (transmitter only)

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