

# TST434

## Resistance thermometer

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



More information and current pricing:

[www.endress.com/TST434](http://www.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

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**Thermometer****Characteristic / Application**

metric style

probe for ambient temperature measurement

without neck

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**Thermowell / protection tube**

without (not intended to use with thermowell)

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**Outer diameter protection tube / Insert**

20,0 mm (0,79")

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**Material protection tube/ thermowell**

Aluminium

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**Operating temperature range**

PT 100:

-30 °C ...100 °C

(-22 °F ...212 °F)

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**Max. process pressure (static)**

at 20 °C: 1 bar (15 psi)

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**Accuracy**

class A acc. to IEC 60751

class B acc. to IEC 60751

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**Integration head transmitter**yes (4 ... 20 mA; HART; PROFIBUS PA; FOUNDATION  
FIELDBUS)

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**Certification**

SIL (transmitter only)

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