TST434
Resistance thermometer

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

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: -50 °C ...100 °C (-58 °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

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<td>Resistance Temperature Detector</td>
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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:
- -50 °C ...100 °C
  (-58 °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)

More information [www.endress.com/TST434](http://www.endress.com/TST434)