

iTHERM ModuLine TST434B

Industrial modular thermometer

RTD thermometer for outdoor and indoor ambient temperature measurement



FLEX

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 transmitters: Analog 4 to 20 mA, HART®, PROFIBUS® PA, FOUNDATION Fieldbus™, IO-Link, PROFINET® over Ethernet-APL/SPE

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 ...150 °C (-58 °F ...302 °F)

More information and current pricing:

www.endress.com/TST434B

Field of application: The iTHERM ModuLine TST434B RTD thermometer is specially designed for monitoring the room temperature in almost all industries. It is available as a complete unit including Endress+Hauser temperature transmitters for enhanced measurement accuracy and reliability compared to directly wired sensors. With a variety of common and advanced outputs and communication protocols, they offer easy customizing.

Features and specifications

Thermometer

Measuring principle

Resistance Temperature Detector

Characteristic / Application

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 ...150 °C

(-58 °F ...302 °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/TST434B