

# RTD Thermometer TST487



More information and current pricing:

[www.fi.endress.com/TST487](http://www.fi.endress.com/TST487)

## Benefits:

- High degree of flexibility thanks to modular design with standard terminal heads as per DIN EN 50446 and customer-specific immersion lengths
- High degree of insert compatibility and design as per DIN 43772

## Specs at a glance

- **Accuracy** class A acc. to IEC 60751
- **Response time**  $t_{50} = 4 \text{ s}$   $t_{90} = 8 \text{ s}$
- **Max. process pressure (static)** at 20 °C: 20 bar (290 psi)
- **Operating temperature range** PT 100: -50 °C ...300 °C (-58 °F ...572 °F)
- **Max. immersion length on request** up to 250,00 mm (9,84")

**Field of application:** The thermometer is mainly used in the chemical industry but also finds its use in other branches. Preferred applications are vessels or pipes where no high process pressures and no extreme temperatures appear. The device is equipped with a directly wired Pt100-sensor with 4-wire installation. A variety of immersion lengths offers flexible application possibilities.

## Features and specifications

### Thermometer

#### Measuring principle

Resistance Temperature Detector

#### Characteristic / Application

metric style

modular temperature assembly

threaded process connection

without neck

## Thermometer

**Thermowell / protection tube**

without (not intended to use with thermowell)

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**Insert / probe**

mineral insulated (MI), flexible

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**Outer diameter protection tube / Insert**

6,0 mm (0,24")

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**Max. immersion length on request**

up to 250,00 mm (9,84")

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**Material protection tube/ thermowell**

1.4404 (316L)

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**Process connection**

male thread:  
G1/2"

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**Tip shape**

straight

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**Surface roughness Ra**

0,8 µm (31,5 µin.)

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**Operating temperature range**

PT 100:  
-50 °C ...300 °C  
(-58 °F ...572 °F)

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**Max. process pressure (static)**

at 20 °C: 20 bar (290 psi)

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**Accuracy**

class A acc. to IEC 60751

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Thermometer

**Response time**

t50 = 4 s

t90 = 8 s

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**Integration head transmitter**

no

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