

# RTD Thermometer TST410



More information and current pricing:

[www.dk.endress.com/TST410](http://www.dk.endress.com/TST410)

## 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
- High accuracy and exceptional long-term stability

## Specs at a glance

- **Accuracy** class A acc. to IEC 60751 class B acc. to IEC 60751
- **Response time**  $t_{50} = 2 \text{ s}$   $t_{90} = 4 \text{ s}$
- **Max. process pressure (static)** at 20 °C: 40 bar (580 psi)
- **Operating temperature range** PT 100: -50 °C ...400 °C (-58 °F ...752 °F)
- **Max. immersion length on request** up to 10.000,00 mm (393,70")

**Field of application:** The thermometer is mainly used in the chemical industry but also finds its use in other branches. Typical applications are pressure-less systems such as air ducts, flues and pipelines. For protection against high industrial demands the use of a special protective sleeve is recommended. A variety of dimensions offers flexible application possibilities.

## Features and specifications

### Thermometer

#### Measuring principle

Resistance Temperature Detector

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

metric style  
modular temperature assembly  
process connection as compression fitting  
without neck  
mini-head

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**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**

3,0 mm (0,12")

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**Max. immersion length on request**

up to 10.000,00 mm (393,70" )

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**Material protection tube/ thermowell**

1.4401 (316)

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**Process connection**

compression fitting:  
G1/4"

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**Tip shape**

straight

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**Operating temperature range**

PT 100:  
-50 °C ...400 °C  
(-58 °F ...752 °F)

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**Max. process pressure (static)**

at 20 °C: 40 bar (580 psi)

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## Thermometer

### Accuracy

class A acc. to IEC 60751

class B acc. to IEC 60751

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### Response time

t<sub>50</sub> = 2 s

t<sub>90</sub> = 4 s

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### Integration head transmitter

no

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