RTD Thermometer TST487

More information and current pricing:
www.jp.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** t50 = 4 s t90 = 8 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)

Insert / probe
mineral insulated (MI), flexible

Outer diameter protection tube / Insert
6,0 mm (0,24")

Max. immersion length on request
up to 250,00 mm (9,84")

Material protection tube/ thermowell
1.4404 (316L)

Process connection
male thread:
G1/2"

Tip shape
straight

Surface roughness Ra
0,8 µm (31,5 µin.)

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

Max. process pressure (static)
at 20 °C: 20 bar (290 psi)

Accuracy
class A acc. to IEC 60751

Thermometer

Response time

t50 = 4 s

t90 = 8 s

Integration head transmitter

no

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