

RTD-Assembly S.A. Style TLSR5



More information and current pricing:

www.fi.endress.com/TLSR5

Benefits:

- Pt100 measuring element according to IEC 60751 with an accuracy Class A according to IEC 60751 and Band 5 (1/10 DIN)
- Sheath material SS316/L
- Customized immersion length
- Electrical connection by means of a ceramic terminal block or head mounted transmitter with universal inputs, galvanically isolated and various output signals: Analog output 4...20 mA, HART®, PROFIBUS® PA, FOUNDATION Fieldbus™

Specs at a glance

- **Accuracy** class A acc. to IEC 60751 Band 5 (1/10 DIN)
- **Response time** depending on configuration
- **Max. process pressure (static)** at 20 °C: 10 bar (150 psi) without thermowell
- **Operating temperature range** PT 100: -200 ...600 °C (-328 ...1.112 °F)
- **Max. immersion length on request** up to 2.000 mm (78,74")

Field of application: The thermometer is mainly used in the chemical industry but also finds its use in other branches. The device with head transmitter is a complete unit ready for use with enhanced measurement accuracy and reliability compared to directly wired sensors. A variety of process connections and dimensions offer flexible application possibilities.

Features and specifications

Thermometer

Measuring principle

Resistance Temperature Detector

Thermometer

Characteristic / Application

S.A. Style

universal range of application

usable with or without a thermowell

spring loaded for use in thermowell

Options available to construct removable inserts (spare parts)

Thermowell / protection tube

to use with or without thermowell (can be ordered separately)

Insert / probe

mineral insulated (MI), flexible

Max. immersion length on request

up to 2.000 mm (78,74")

Material protection tube/ thermowell

1.4401 (316)

Optional coating

Not defined

Process connection

Fixed thread:

NPT 1/4"

NPT 1/2"

G1/4"

G1/2"

Union nipple:

NPT 1/2"

G1/2"

Tip shape

rounded

flat

Thermometer**Operating temperature range**

PT 100:
-200 ...600 °C
(-328 ...1.112 °F)

Max. process pressure (static)

at 20 °C: 10 bar (150 psi) without thermowell

Accuracy

class A acc. to IEC 60751
Band 5 (1/10 DIN)

Response time

depending on configuration

Integration head transmitter

yes (4 ... 20 mA; HART; PROFIBUS PA; FOUNDATION
FIELDBUS)

Certification

EN10204 3.1 Material traceability

More information www.fi.endress.com/TLSR5