TC-Assembly S.A.Style TLSC5

More information and current pricing:
www.au.endress.com/TLSC5

Benefits:

- Various types of thermocouples: Type J (Fe-CuNi), type K (NiCr-Ni), type N (NiCrSi-NiSi) or type T (Cu-CuNi)
- Sheath material ANSI 316SS or 310SS, INCONEL600
- 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 1 acc. to IEC 60584
- **Response time** depending on configuration
- **Max. process pressure (static)** at 20 °C: 10 bar (150 psi) without thermowell
- **Operating temperature range** Type J: -210 ...760 °C (-346 ...1.400 °F) Type K: -270 ...1.100 °C (-454 ...2.012 °F) Type N: -270 ...1.100 °C (-454 ...2.012 °F) Type T: -270 ...400 °C (-454 ...725 °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
Thermocouple

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)
1.4841 (310)
Alloy 600 (2.4816)

Optional coating
Not defined

Process connection
Union nipple:
NPT 1/2"
G1/2"

Tip shape
straight

Thermometer

Operating temperature range

Type J:
-210 …760 °C
(-346 …1.400 °F)
Type K:
-270 …1.100 °C
(-454 …2.012 °F)
Type N:
-270 …1.100 °C
(-454 …2.012 °F)
Type T:
-270 …400 °C
(-454 …725 °F)

Max. process pressure (static)

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

Accuracy

class 1 acc. to IEC 60584

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.au.endress.com/TLSC5**

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