TC-Assembly S.A. Style 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

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More information and current pricing: [www.endress.com/TLSC5](http://www.endress.com/TLSC5)
## 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.endress.com/TLSC5](http://www.endress.com/TLSC5)