

# CIS / CIM Series INDUSTRIAL THERMOCOUPLE WITH PROTECTION HEAD

Ref : 2172

Rev : B



## DESCRIPTION

This robust temperature sensor model is the ideal model for temperature measurements up to 1600°C in solid, liquid or gaseous environments. It has a standard industrial head with integrated screw terminal block.

MESUREX is a sensor manufacturer. We can adapt most sensors to your needs. Please [contact us](#).

## TECHNICAL CHARACTERISTICS

Characteristics	PT100	Thermocouple
<b>Tolerance class</b>	+/- 0.15°C at 0°C, +/- 0.35°C at 100°C (A class)	<b>Type K</b> +/-1.5°C from -40°C to 375°C +/- 0.004 x T° from 375°C to 1000°C <b>Type R/S</b> +/-1°C from 0 to 1100°C +/- [1+0,003(t-1100)]
<b>Operating temperature range</b>	-200 to +250°C standard	Thermocouple K -100 to +1000°C Thermocouple S up to 1600°C

## MAIN CHARACTERISTICS

- Version with quick connection.
- Other classes of precision in PT100: 1/3 ; 1/5 ; 1/10
- High temperature version in PT100: 500°C, 800°C
- Manufacturing on demand (very common for MESUREX)
- Transmitter with 4/20 mA output integrated into the industrial head (Reference: TR9-D-L-Type)
- Smooth version under head, with fitting, or with compression fitting.
- Single-walled or double-walled protection: alumina / pythagoras
- Single or double thermocouple (size of the wire could be defined to obtain a good robustness)
- PT100 single or double

## ORDER

**CIS:** Model with standard industrial head Aluminum or stainless with clamp BUZ ou DINA

**CIM:** Miniature head

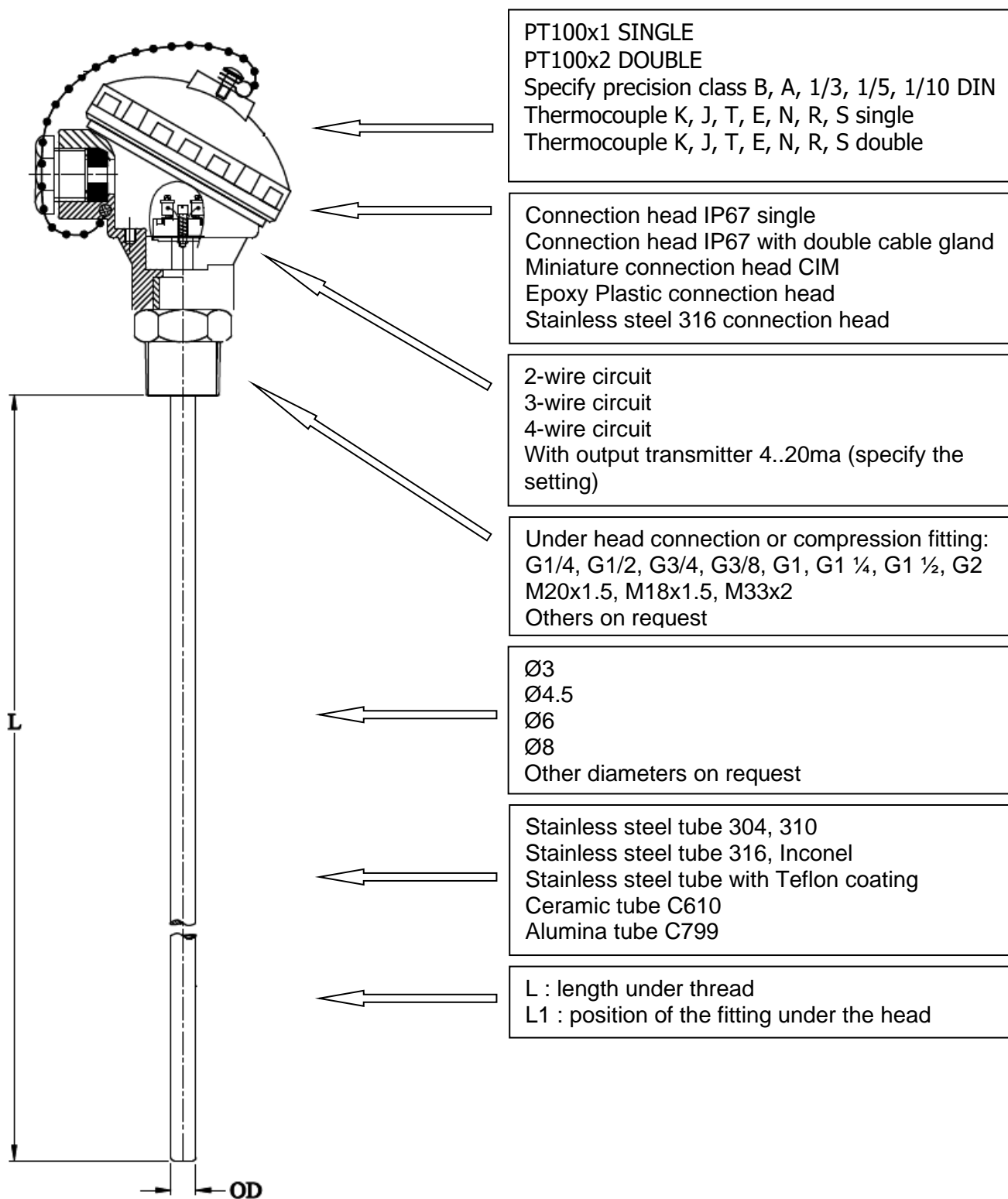
**D:** external Tube diameter (1,5 ; 2 ; 3 ; 6 ; 8 ; 10 ; 21,35 .....mm). Possible option: Epoxy head with coating, stainless steel 316/316L, polypropylene, Bakelite, alumina, Alsint, pythagoras

**L:** Tube length in mm

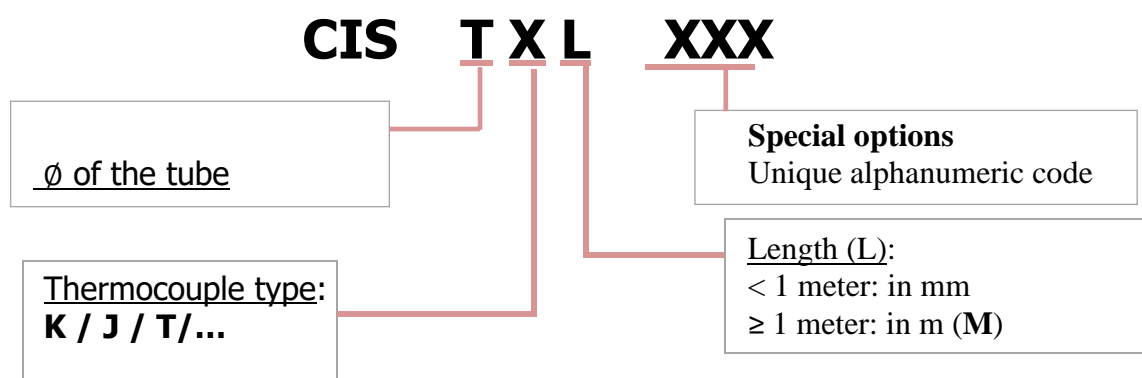
**Type:** Thermocouple K, J, T, E, N, R, S or others on request, CI 1 according to NF EN60584-1

**PT100:** Platinum probe PT100 with 2-, 3- or 4-wire according to NF EN 60751

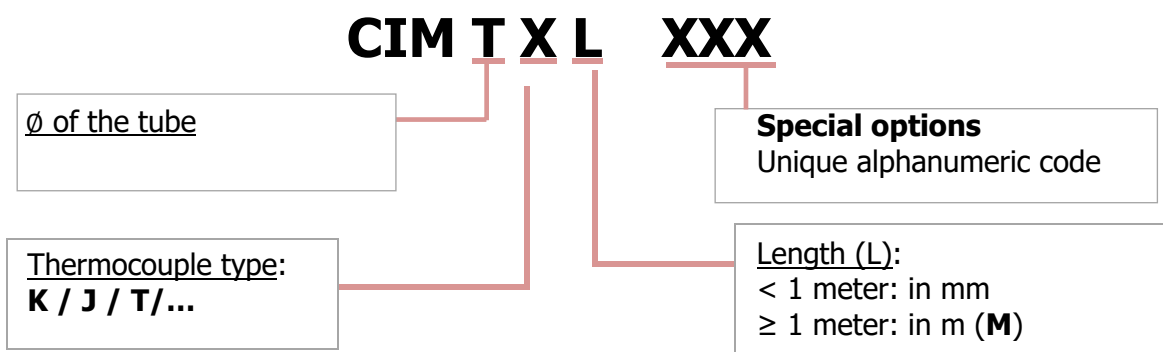
Possible tubes: **stainless steel 310** (900°C), **ceramic C 610** (1450°C), **Inconel** (1200°C), **Alsint C799** (1800°C), **stainless steel 316** (900°C), **stainless steel 316 with Teflon coating** (250°C)



### Version with standard head



### Version with miniature head



## CONTACT

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