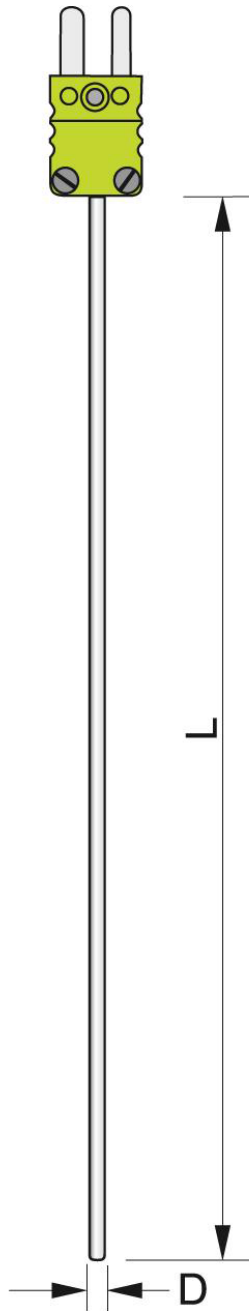




Sheathed thermocouple with mini connector



INFORMATIONS

Sensing element

Thermocouple type K, N, J, T, E. Tolerance class 1 according to IEC 584 (EN 60584)

Temperature range

“-200 to +1150 °C, depending on thermocouple type, sheath diameter and length”

External sheath

“AISI 316L or Inconel seamless semi-flexible sheath with mineral oxide filling.
Can be manufactured in very long lengths (virtually unlimited).
Can be bended with a radius equal to 3 times the sheath diameter.
Totally watertight.”

Diameter

3 mm by default : 2 – 1,5 – 1 – 0,5 mm available on request
Hint: make sure that the thermocouple sheath is long enough to prevent connector insulation material from melting.

Length

“300 mm by default, other lengths on request, up to several tens of meters.
Hint: make sure that the thermocouple sheath is long enough to avoid smelting of the insulation material of the connector.”

Process connection

None, but sliding connector available in option.

Wiring

2-wire (single) or 4-wire (double thermocouple)

APPLICATIONS

The most versatile model of thermocouple:
Insertion probe, long reach high temperature sensor,
Laboratory vessels, heating plates,
Difficult installations with curves, bends or loops,
Ovens, incubators,
Temporary measuring device for plant efficiency assessment



OPTIONS

Sliding connector. Contact us for availability : they are not available for all diameters or threads. Ex Design



Description	Standard	Your requirements

Thermo element		
Manufacturing standard	☐ IEC / EN 60584	
Type	☐ K ☐ N ☐ J ☐ T ☐ E	
Single or double	☐ Single ☐ Double	
Temperature range	☐ Indicate your own temperature range	

Immersion zone		
Length	☐ 300 mm (standard) ☐ Other length, please specify	
Diameter	☐ 0,5 mm ☐ 1 mm ☐ 2 mm ☐ 3 mm (as standard)	
Material	☐ Stainless steel AISI316 L ☐ Inconel 600	
Sliding connector	☐ Not required ☐ Sliding connector - please specify the thread	

Connection		
Connector	☐ Mini connector	
Color code	☐ ANSI ☐ IEC (as standard)	

Identification		
Identification	☐ Self-adhesive label	
Tag	☐ s.s. tag plate with P&ID number ☐ PVC tag plate with P&ID number	



Identification

	☐ Not required (standard)	
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Other requirements

ATEX construction for hazardous areas (option)	☐ ATEX Ex i (intrinsic safety) with certificate ☐ Not ATEX (use in safe areas)	
Calibration	☐ Calibration required - please specify the temperature calibration points ☐ Not required	
Certificates (option)	☐ Other, please specify ☐ Conformity certificate ☐ Material certificate according to EN 10204 3.1	
Others (option)	☐ Please specify	