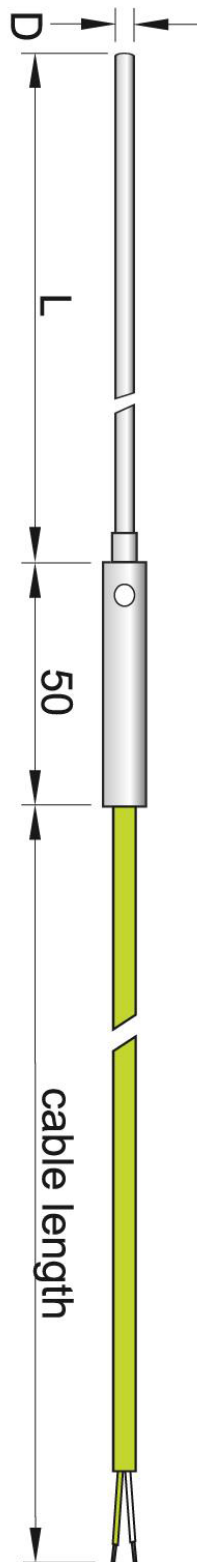


## Sheathed thermocouple with fixed junction and compensating cable



### INFORMATIONS

#### Sensing element

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

#### TEMPERATURE RANGE

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

#### External sheath

AISI 316L or Inconel 600 (other material on request) 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: 6 – 4,5 – 2 – 1,5 and 1 mm

#### 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 as an option.

#### Connection cable

PVC Cable with conductors 0,5mm<sup>2</sup>, length 3 meter by default, other lengths and materials on request

#### 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	1 mm 1,5 mm 2 mm 3 mm (as standard) 4,5 mm 6 mm	
Material	Stainless steel 316L Inconel 600	
Sliding connector	Not required Sliding connector - please specify the thread	

Intermediate zone		
Junction	Short conical junction Ø 8 x 20 mm Jonction fileté M8x1 Standard fixed junction Ø7 x 50 mm Mini junction Ø 6 x 40 mm	

Cables		

Cable insulation	Fibreglass + s.s. overbraid (350 °C) MFA (220 °C) PFA (280 °C) PVC (105 °C)	
Cable length	3 meters as standard Other length, please specify	
Cable protection	None (standard) Bending spring	

### Identification

Identification	Self-adhesive label	
Tag	s.s. tag plate with P&ID number PVC tag plate with P&ID number Not required (standard)	

### 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)	None required Material certificate according to EN 10204 3.1 Conformity certificate Other, please specify	
Others (option)	Please specify:	