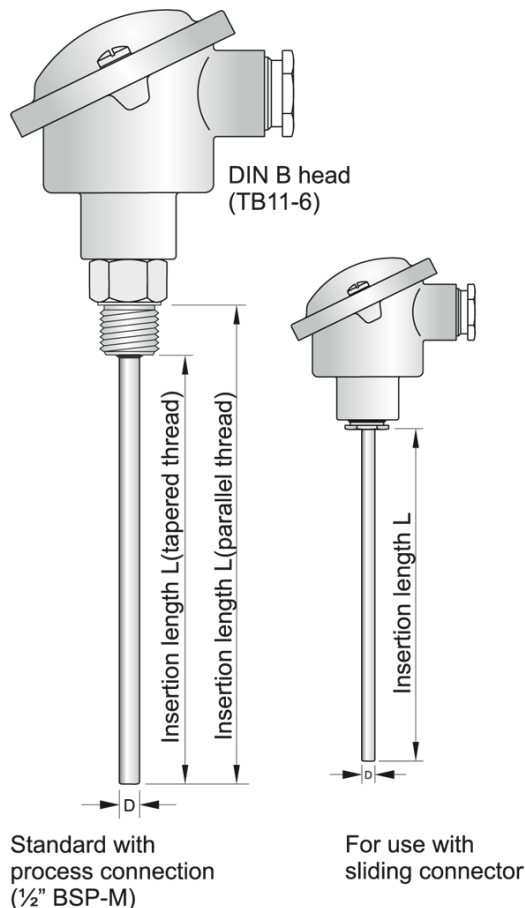




Sheathed thermocouple with connection head



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

6 mm by default: 3 – 4,5 and 8 mm

Process connection

Standard 1/2" BSP-M connector
Sliding connector available in option for diameter 8 – 6 – 4,5 – 3 mm probes

Connection head

Standard DIN type B head with M20 cable gland (other connection heads available on request)

Wiring

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

APPLICATIONS

Alternative to standard probes at high temperature,
Long reach probes or difficult installations with curves, bends or loops,
Whenever high mechanical resistance is required.

OPTIONS



4-20 mA or 0/10V transmitter (insulated, non insulated, HART, etc.)
can be built in if connection head or ambient temperature does not
exceed 75 °C Ex Design



Description	Standard	Your requirements

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

Immersion zone		
Diameter	☐ 6mm (as standard) ☐ 3mm ☐ 4,5mm ☐ 8mm	
Immersion length	☐ Please specify	
Material	☐ 316L ☐ Inconel 600	

Intermediate zone		
Connector	☐ ½ G fixed, as standard ☐ Sliding connector (option) , please specify the thread ☐ Other fitting, please specify ☐ No process fitting required	

Connection head		
Connection head size B	☐ Cast aluminium TB11-6 (IP54)  ☐ Aluminium IP68	

Connection head		
	 ☐ Aluminium IP68  ☐ Aluminium IP65  ☐ Black P.E. IP65  ☐ White P.E. IP65  ☐ Type C Small  ☐ S.S. IP65 	
Double cable gland (option)	☐ Yes ☐ No	
Transmetteur 4-20 mA (option)	☐ Not required (standard) ☐ Uninsulated ☐ Galvanically insulated ☐ With HART communication protocol	

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



Other requirements		
ATEX construction for hazardous areas (option)	☐ Not ATEX (use in safe areas) ☐ ATEX Ex i (intrinsic safety) with certificate ☐ ATEX Ex d (flameproof) with certificate	
Calibration	☐ Not required ☐ Calibration required - please specify the temperature calibration points	
Certificates (option)	☐ None required ☐ Material certificate according to EN 10204 3.1 ☐ Conformity certificate ☐ Other, please specify	
Tests	☐ Other, please specify ☐ Not required Pressure test	
Others (option)	☐ Please specify:	