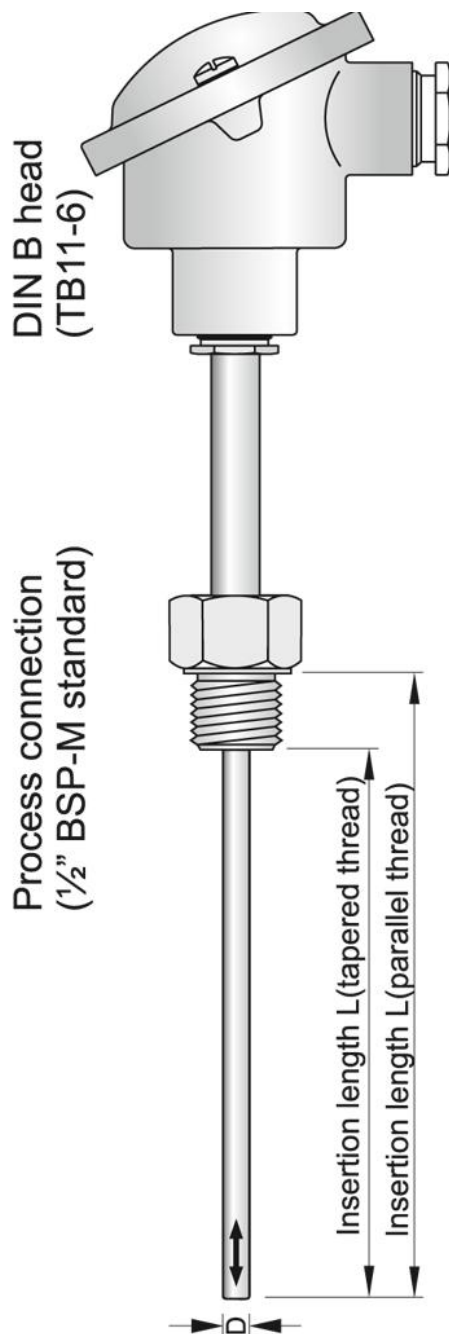




Sheathed thermocouple with connection head and extension tube



INFORMATIONS

Sensing element

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

Temperature range

“-200 to N2981150 °C, depending on thermocouple type, sheath diameter and length”

Sheath

AISI 316L or Inconel 600 (other material available on request)
seamless sheath with mineral oxide filling.
Can be manufactured in very long lengths (virtually unlimited)
Moves freely through the extension tube and the process fitting

Diameter

6 mm by default: 3 – 4,5 and 8 mm

Process connection

Standard 1/2" BSP-M (G 1/2") connector

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

OPTIONS

4-20 mA or 0/10V transmitter (insulated, non-insulated, HART, etc.)
only 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	☐ 3 mm ☐ 4,5 mm ☐ 6 mm (as standard) ☐ 8 mm	
Insertion length	☐ Required length (mm)- please specify	
Material	☐ AISI 316L ☐ Inconel 600	

Connection		
Process fitting	☐ Other, please specify "G ½"" male as standard"	

Intermediate zone		
Extension tube length	☐ 145 mm (as standard) ☐ Other length, please specify	
Diameter of the extension tube	☐ Ø 10 mm for sheath diameters 3 and 4,5 mm ☐ Ø 12 mm for sheath diameters 6 and 8 mm	

Connection head		
Connection head	☐ Standard DIN B (TB 11-6) head IP54	

Connection head

	 ○ Cast aluminium TB11-12 (BUZ) (IP 68)  ○ Cast aluminium B-AKVL (BUZH) IP68 with extended cover  ○ Cast aluminium with screw cover Okazaki IP65  ○ White polypropylene KPP with screw cover IP65  ○ Full stainless steel  ○ Mini head size C 	
Double cable gland (option)	○ Single (standart) ○ Double	
Transmetteur 4-20 mA (option)	○ With HART communication protocol ○ Galvanically insulated ○ Uninsulated ○ Not required (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)	
--	---	--

Other requirements

ATEX construction for hazardous areas (option)	☐ ATEX Ex d (flameproof) with certificate ☐ 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 ☐ None required	
Others (option)	☐ Please specify:	