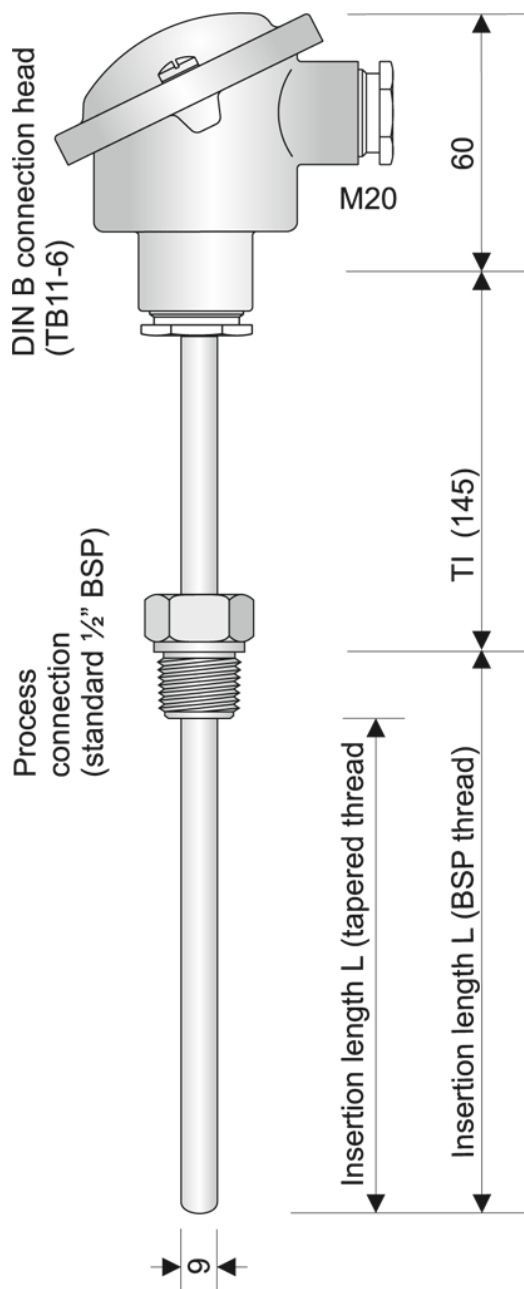




TI-2 LP Thermocouple with extension tube - low pressure version



INFORMATIONS

Sensing element

Thermocouple type K, J or T, single or duplex with tolerance class according to IEC 60584 (EN 584).

Temperature range

0 to 600 °C

EXTERNAL SHEATH

AISI 316L seamless tube – wall thickness 1 mm

Diameter: 9 mm standard, other diameters available on request

Insertion length: standard 160, 250 and 400 mm, any other length on request.

Hint: Insertion length

For parallel thread (BSP) the length L is measured WITH the thread.

With conical threads (BSPT and NPT) the length L is measured WITHOUT the thread.

Process connection

“Standard 1/2” BSP-M

Other sizes or threads available on request.”

EXTENSION OR LAGGING

Standard 145 mm, other lengths available on request

CONNECTION HEAD

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

APPLICATIONS

General purpose measurement probe – all industry domains.

OPTIONS

4-20 mA or 0/10V transmitter (insulated, non insulated, HART, etc.)

Can be built in only if connection head or ambient temperature does not exceed 75 °C - Ex Design



CHARACTERISTICS

Mechanical strength of probes with threaded connector

Flow		Insertion length	For stainless steel at		
Water	Air		50°C	300°C	400°C
3m/s	25m/s	160 mm	50 kg/cm ²	40 kg/cm ²	36 kg/cm ²
		250 mm	40 kg/cm ²	40 kg/cm ²	36 kg/cm ²
		450 mm	18 kg/cm ²	18 kg/cm ²	18 kg/cm ²

Description	Standard	Your requirements

Thermo element		
Manufacturing standard	☐ IEC 60584	
Thermocouple	☐ K ☐ J ☐ T	
Single or double	☐ Simple ☐ Double	
Class	☐ 1 ☐ 2	
Temperature range	☐ 0 à 600°C	

Immersion zone		
AISI 316L Ø9x1mm - Length	☐ 160mm ☐ 250mm ☐ 400mm	
Reduced tip 	☐ Ø6x50mm ☐ Ø4x50mm ☐ Pas d'embour réduit	

Intermediate zone		
Extension tube length	☐ 145mm	
Welded process connection	☐ ½"BSP"	

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

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

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

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)	



Other requirements		
Calibration	☐ Not required ☐ Calibration required - please specify the temperature calibration points	
Certificates (option)	☐ Other, please specify ☐ Conformity certificate ☐ Material certificate according to EN 10204 3.1 ☐ None required	
Tests	☐ Not required ☐ Pressure test ☐ Other, please specify	
Others (option)	☐ Please specify:	