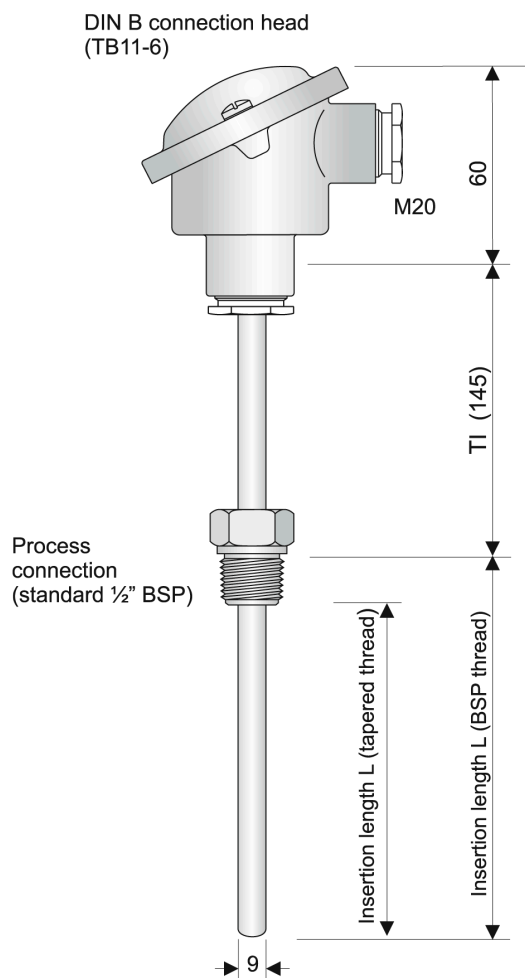




SI6-TI Straight Pt100 probe with process connector and extension tube - with replaceable sensing element



INFORMATIONS

Sensing element

Pt100 single or duplex
with tolerance class B, A or AA according to IEC 751 (EN 60751)

Temperature range

-200 to + 600 °C

External sheath

AISI 316L seamless tube – wall thickness 1 mm.
Diameter: 9 mm by default, other diameters available on request.
Insertion length: standard 160, 250 and 400mm, any other length on request.

Hint: Insertion length
For parallel thread (BSP) the length L is measured WITH the thread.
For conical threads (BSPT and NPT) the length L is measured WITHOUT the thread.

Measuring insert

Standard stainless steel Ø 6 mm
(Ø 4,5 or 8 mm available to fit other sheath diameters)
Spring loaded action.

Process connection

Standard 1/2" BSP-M (G 1/2")
Other sizes or threads available on request.

Connection head

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

Wiring

"standard ceramic terminal block – 1 x 3-wire connection.
1 x 2, 1 x 4, 2 x 2, 2 x 3-wire connection available on request."

APPLICATIONS

General purpose measurement probe for gaseous and liquid media –
all industry domains. Any application which requires a physical



separation of the probe from the medium or where shutdown of the line is not acceptable when the probe must be replaced.

OPTIONS

Sliding connector Reduced tip for faster response 4-20 mA or 0/10 V signal transmitter (insulated, not insulated, HART, etc.) 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	100 mm	50 kg/cm ²	40 kg/cm ²	36 kg/cm ²
		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
		350 mm	18 kg/cm ²	18 kg/cm ²	18 kg/cm ²
		400 mm	18 kg/cm ²	18 kg/cm ²	18 kg/cm ²

Description	Standard	Your requirements

Thermo element		
Manufacturing standard	☐ Other, please specify IEC/EN 60751	
Measuring element	☐ Pt100 as standard ☐ Pt1000	
Number of sensing elements	☐ Double ☐ Single	
Precision class	☐ Other, please specify ☐ Class A ☐ Class AA ☐ Class B as standard	
Wire arrangement	☐ 3-wire arrangement ☐ 4-wire arrangement	
Temperature range	☐ - 50 / 200 °C ☐ -100 / 400 °C ☐ -200 / + 600 °C ☐ Specific range, please specify	

Immersion zone		
Material	☐ AISI 316/316L ☐ Other, please specify	
Diameter	☐ 9 mm (as standard) ☐ Other, please specify	
Length	☐ 160 mm ☐ 250 mm ☐ 400 mm ☐ Other, please specify	
Reduced tip 	☐ Reduced tip Ø 6 x 50 mm ☐ None - straight tube over the whole length	
Process fitting	☐ Other, please specify "Welded G ½" male thread "	

Intermediate zone		
extension	☐ Other, please specify ☐ 145 mm (as standard)	
Connection head		
Connection head selection	☐ Standard DIN B (TB 11-6) head IP54  ☐ Cast aluminium TB11-12 (BUZ) (IP 68)  ☐ Cast aluminium B-AKVL (BUZH) IP68 with extended cover  ☐ Black PVC with screw cover TB11-13 (BBK)  ☐ Cast aluminium with screw cover Okazaki IP65  ☐ White polypropylene KPP with screw cover IP65  ☐ Full stainless steel head (BEG) with screw cover IP65 	
Cable gland	☐ Double (only for TB11-6 and TB-AKVL heads) ☐ Single (standard)	
Built-in transmitter (option)	☐ Transmitter with HART protocol ☐ Galvanic insulation transmitter ☐ Uninsulated transmitter	

Connection head		
	☐ Not required (as standard)	
Local display	☐ Digital read-out powered by the 4-20 mA loop (transmitter required and only for AKVL and BEG heads) ☐ Not required (as standard)	

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

Other requirements		
Calibration	☐ BELAC calibration required - please specify the temperature calibration points ☐ Not required (as standard)	
Certificates (option)	☐ None required ☐ Material certificate according to EN 10204 3.1 ☐ Conformity certificate ☐ Dye penetration test ☐ CE certificate (only if built-in transmitter) ☐ ATEX Ex ia (intrinsic safety)with certificate ☐ ATEX Ex d (flameproof) construction with ☐ certificate	