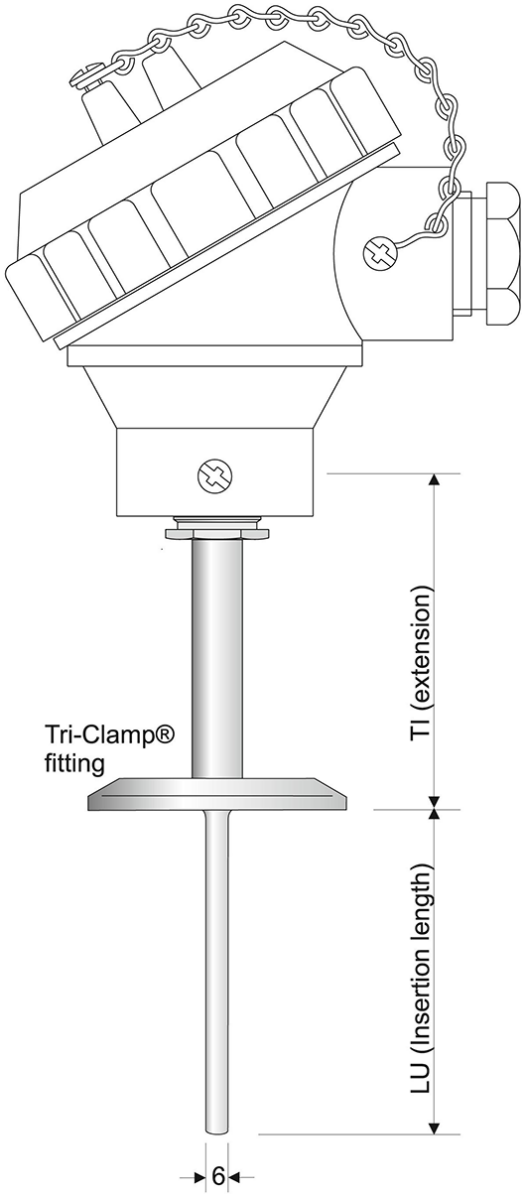
SI7-CLMP Straight Pt100 probe with Tri-clamp® fitting and extension tube - sensor not replaceable



INFORMATIONS

Sensing element

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

Temperature range

-50 to +250 °C

External sheath

AISI 316L seamless tube – wall thickness 1 mm
Diameter: 6 mm by default, other diameters available on request.
Insertion length: standard 100 mm , any other length on request.

Process connection

Standard 1?-1½" Tri-clamp® fitting
Other sizes available on request

connection head

Standard white PE head IP65 with M20 cable gland
(other types available on request).

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

Pharmaceutical and food applications.

OPTIONS

Reduced tip for faster response Electropolished surface 4-20 mA or 0/10 V signal transmitter (insulated, not insulated, HART, etc.) Ex Design

Description	Standard	Your requirements

Thermo element		
Manufacturing standard	❍ Other, please specify ❍ IEC/EN 60751	
Measuring element	❍ Pt100 as standard ❍ Pt1000	
Number of sensing elements	❍ Single ❍ Double	
Precision class	❍ Other, please specify ❍ Class A ❍ Class AA ❍ Class B as standard	
Wire arrangement	❍ 3-wire arrangement ❍ 4-wire arrangement	
Temperature range	❍ -50 / 250 °C ❍ Other range, please specify	

Immersion zone		
Measuring tube (LU)	❍ Other, please specify ❍ Ø 6 x100 mm	
Material	❍ AISI 316/316L ❍ Other, please specify	
Reduced tip 	❍ Reduced tip Ø 4 x 50 mm ❍ None - straight tube over the whole length	
Process fitting	❍ Size ½ - ¾ ❍ Size 1 - 1½ ❍ Size 2 ❍ Size 3 ❍ Size 4	
Surface finish	❍ Electropolished - roughness Ra = 0,4 µm ❍ Electropolished - roughness Ra = 0,5 µm	

Immersion zone		
	❍ Electropolished - roughness Ra = 0,8 µm ❍ None - stock finish as standard	

Intermediate zone		
Extension tube	❍ Other, please specify ❍ Length 100 mm	

Connection head		
Connection head selection	❍ White polypropylene KPP with screw cover IP65 ❍ Cast aluminium TB11-12 (BUZ) (IP 68) ❍ Cast aluminium B-AKVL (BUZH) IP68 with extended cover ❍ Full stainless steel head (BEG) with screw cover IP65 ❍ Black PVC with screw cover TB11-13 (BBK) ❍ Cast aluminium with screw cover Okazaki IP65 	
Built-in transmitter (option)	❍ Transmitter with HART protocol ❍ Galvanic insulation transmitter ❍ Uninsulated transmitter ❍ Not required (as standard)	

Connection head		
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	❍ Not required (standard) ❍ s.s. tag plate with P&ID number ❍ PVC tag plate with P&ID number	

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