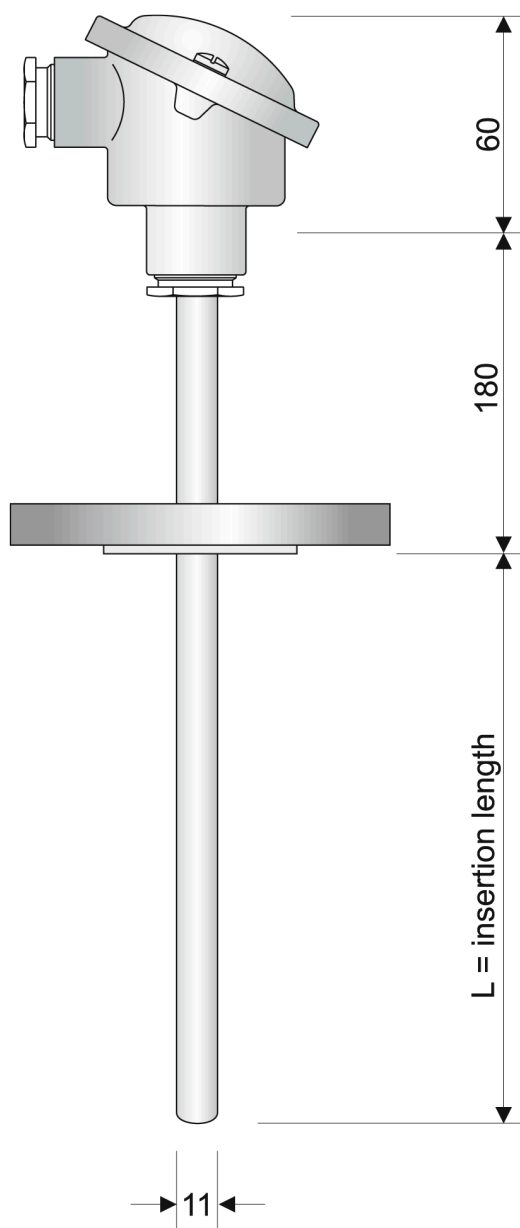




SI8-BR - Pt100 probe with replaceable measuring insert - welded flange and extension tube



INFORMATIONS

Sensing element

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

Temperature range

-100 to + 600 °C

External sheath

AISI 316L seamless tube – wall thickness 2 mm
Diameter: 11 mm by default, other diameters available on request.
Insertion length: standard 125, 250, 350, 500 mm
any other length on request.

Measuring insert

Standard stainless steel Ø 6 mm
Spring loaded action.

Process connection

Flange according to DIN 2527, EN 1092, ANSI B 16,5 – Please
specify the nominal diameter (DN) and pressure rating (PN) of the
flange

Connection head

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

Wiring

Heavy duty with severe chemical and mechanical conditions. step
down shank for faster response time

APPLICATIONS

Storage tanks, medium and high pressure vessels and pipes

OPTIONS

Reduced tip for faster response 4-20 mA or 0/10 V signal transmitter



(insulated, not insulated, HART, etc.) Design



Description	Standard	Your requirements

Thermo element		
Manufacturing standard	☐ Other, please specify ☐ IEC/EN 60751	
Measuring element	☐ 1 x Pt100 ☐ 2 x Pt100	
Precision class	☐ Other, please specify ☐ Class A ☐ Class AA ☐ Class B as standard	
Wire arrangement	☐ 1 x 3-wires ☐ 1 x 4-wires ☐ 2 x 2-wires ☐ 2 x 3-wires ☐ 2 x 4-wires	
Temperature range	☐ -50 / 200 °C ☐ -100 / 400 °C ☐ -200 / 600 °C ☐ Other range, please specify	

Immersion zone		
Material	☐ AISI 316/316L ☐ Other, please specify	
Insertion length	☐ Ø 11 x125 mm ☐ Ø 11 x 250 mm ☐ Ø 11 x350 mm ☐ Ø 11 x 500 mm	
Reduced tip 	☐ Reduced tip Ø 9 x 50 mm ☐ None - straight tube over the whole length	

Intermediate zone		
extension	☐ Other, please specify ☐ 180 mm (as standard)	

Intermediate zone

Connection

Flange characteristics	○ ASME/ANSI with B16.5 raised face ○ DIN 2527 with form C raised face ○ EN 1092-1 with B1 raised face	
Flange characteristics	○ Please mention the nominal diameter and the nominal pressure of the flange	

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  ○ 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	

Connection head		
	☐ Uninsulated transmitter ☐ 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 ☐ CE certificate (only if built-in transmitter) ☐ Conformity certificate ☐ Material certificate according to EN 10204 3.1 ☐ ATEX Ex d (flameproof) construction with certificate ☐ ATEX Ex ia (intrinsic safety) with certificate	