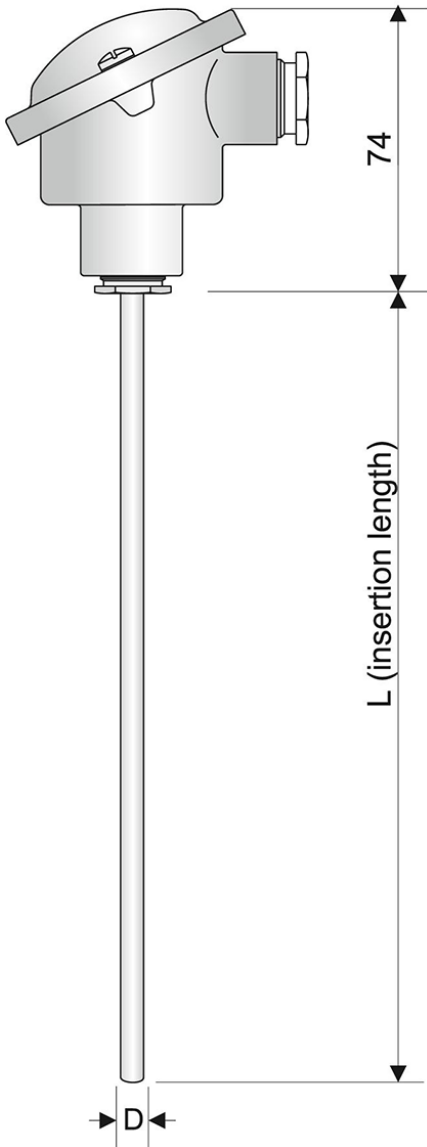


## Series SC-TB screw-in probes with sheathed, non-replaceable sensing element and connection head

DIN B connection head  
(TB11-6)



### INFORMATIONS

#### Sensing element

Sheathed 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 semi-flexible sheath with mineral insulated oxide filling.  
Can be manufactured in very long lengths (virtually unlimited).  
Can be bended with a radius equal to 3 times the sheath diameter.  
Available diameters: 6mm by default, 3 – 4,5 and 8mm on request.

#### Process connection

None.

Sliding connector available in option for diameter 6 and 3 mm probes.

#### Connection head

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

#### Wiring

1 x 3-wire connection (1 x 4, 2 x 2, 2 x 3-wire connection available on request, depending on the sheath diameter)

### APPLICATIONS

Alternative to standard probes at high temperature  
Long reach probes or difficult installations with curves, bends or loops  
When high mechanical resistance is required.

### OPTIONS

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













Description	Standard	Your requirements

Thermo element		
Measuring element	Double Pt100 Pt100 as standard	
Precision class	Class A Class AA Class B as standard	
Wire arrangement	1 x 3-wires as standard 1 x 4-wires 2 x 2-wires 2 x 3-wires	
Temperature range	-200 / 600 °C as standard Specific range, please specify	

Immersion zone		
Sheath diameter	6 mm (as standard) 4,5 mm 3 mm 8mm	
Length	Please mention the required length	
Mechanical strenghtening with outer tube	Please indicate the diameter and length of the reinforcement tube	

Connection		
Sliding connector	Not required Sliding connector - please specify the thread	

Connection head		
Connection head selection	Standard DIN B (TB 11-6) head IP54  Cast aluminium TB11-12 (BUZ) (IP 68) 	

Connection head		
	<p>Cast aluminium B-AKVL (BUZH) IP68 with extended cover</p>  <p>Black PVC with screw cover TB11-13 (BBK)</p>  <p>Cast aluminium with screw cover Okazaki IP65</p>  <p>White polypropylene KPP with screw cover IP65</p>  <p>Mini head size C</p>  <p>Full stainless steel head (BEG) with screw cover IP65</p> 	
Cable gland	<p>Double (only for TB11-6 and TB-AKVL heads)</p> <p>Single (standard)</p>	
Built-in transmitter (option)	<p>Digital read-out powered by the 4-20 mA loop (transmitter required and only for AKVL and BEG heads)</p> <p>Not required (as standard)</p> <p>4-20mA (specify range)</p> <p>0-10V (range to be defined)</p>	

Identification		
Identification	<p>Other, please specify</p> <p>Self-adhesive label</p>	



Identification

Tag plate	Not required (standard) s.s. tag plate with P&ID number PVC tag plate with P&ID number	
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Other requirements

Calibration	BELAC 17025, cert. n°139-CAL 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	