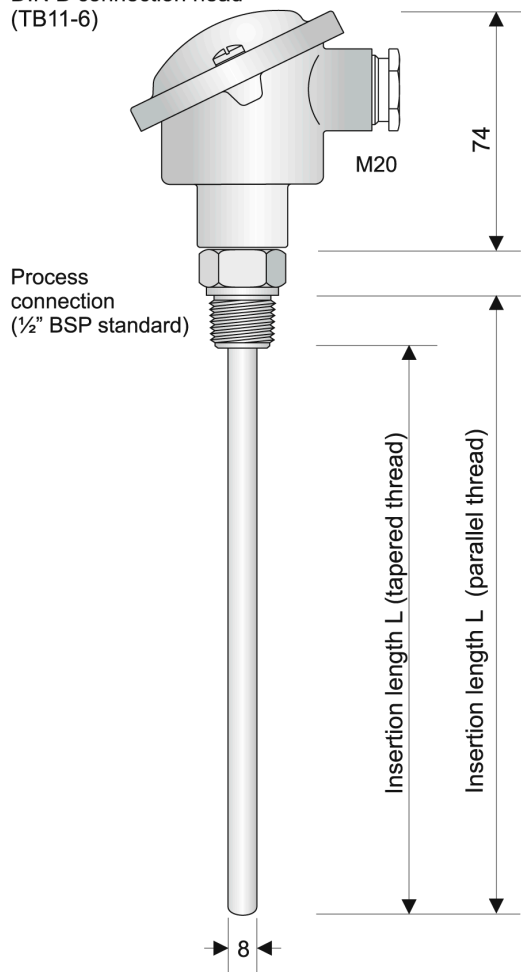




## SI7 Straight Pt100 probe with process connector without extension tube - sensor not replaceable

DIN B connection head  
(TB11-6)



### INFORMATIONS

#### Sensing element

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

#### Temperature range

-50 to + 300 °C

#### External sheath

AISI 316L seamless tube – wall thickness 1 mm  
Diameter: 8 mm by default, other diameters available on request.  
Insertion length: standard 160, 250, 400 mm, 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.

#### Process connection

Standard 1/2" BSP-M  
Other sizes or threads available on request.  
Also available without process connection when used with a sliding connector

#### Connection head

Standard DIN type B head 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

General purpose measurement probe for gaseous and liquid media – all industry domains.

### OPTIONS



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

| Description | Standard | Your requirements |
|-------------|----------|-------------------|
|             |          |                   |

| Thermo element             |                                                                                                                         |  |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------|--|
| Manufacturing standard     | <input type="radio"/> IEC/EN 60751<br><input type="radio"/> Other, please specify                                       |  |
| Measuring element          | <input type="radio"/> Pt100 as standard<br><input type="radio"/> Pt1000<br><input type="radio"/> Other (please specify) |  |
| Number of sensing elements | <input type="radio"/> Single<br><input type="radio"/> Double                                                            |  |
| Precision class            | <input type="radio"/> Class B as standard<br><input type="radio"/> Class A<br><input type="radio"/> Class AA            |  |
| Wire arrangement           | <input type="radio"/> 3-wire arrangement<br><input type="radio"/> 4-wire arrangement as standard                        |  |
| Temperature range          | <input type="radio"/> -50 / 300°C<br><input type="radio"/> Specific range, please specify                               |  |

| Immersion zone                                                                                     |                                                                                                                                                                 |  |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Material                                                                                           | <input type="radio"/> AISI 316/316L<br><input type="radio"/> Other, please specify                                                                              |  |
| Diameter                                                                                           | <input type="radio"/> 8 mm (as standard)<br><input type="radio"/> 6 mm<br><input type="radio"/> Other, please specify                                           |  |
| Length                                                                                             | <input type="radio"/> 160 mm<br><input type="radio"/> 250 mm<br><input type="radio"/> 400 mm<br><input type="radio"/> Other, please specify                     |  |
| Reduced tip<br> | <input type="radio"/> None - straight tube over the whole length<br><input type="radio"/> Reduced tip Ø 6 x50mm<br><input type="radio"/> Reduced tip Ø 4 x50 mm |  |

| Intermediate zone |                                                           |  |
|-------------------|-----------------------------------------------------------|--|
| Process fitting   | <input type="radio"/> None (intended for use with sliding |  |



| Intermediate zone         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                           | connector) <ul style="list-style-type: none"> <li>Welded G ½" male thread</li> <li>Other, please specify</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| Connection head           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |
| Connection head selection | <ul style="list-style-type: none"> <li>Standard DIN B (TB 11-6) head IP54                </li> <li>Cast aluminium TB11-12 (BUZ) (IP 68)                </li> <li>Cast aluminium B-AKVL (BUZH) IP68 with extended cover                </li> <li>Black PVC with screw cover TB11-13 (BBK)                </li> <li>Cast aluminium with screw cover Okazaki IP65                </li> <li>White polypropylene KPP with screw cover IP65                </li> <li>Mini head size C                </li> <li>Full stainless steel head (BEG) with screw cover IP65                </li> </ul> |  |
| Cable gland               | <ul style="list-style-type: none"> <li>Double (only for TB11-6 and TB-AKVL heads)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |

| Connection head               |                                                                                                                                                                                                                    |  |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                               | <input type="radio"/> Single (standard)                                                                                                                                                                            |  |
| Built-in transmitter (option) | <input type="radio"/> Transmitter with HART protocol<br><input type="radio"/> Galvanic insulation transmitter<br><input type="radio"/> Uninsulated transmitter<br><input type="radio"/> Not required (as standard) |  |
| Local display                 | <input type="radio"/> Digital read-out powered by the 4-20 mA loop (transmitter required and only for AKVL and BEG heads)<br><input type="radio"/> Not required (as standard)                                      |  |

| Identification |                                                                                                                                                                |  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Identification | <input type="radio"/> Other, please specify<br><input type="radio"/> Self-adhesive label                                                                       |  |
| Tag plate      | <input type="radio"/> s.s. tag plate with P&ID number<br><input type="radio"/> PVC tag plate with P&ID number<br><input type="radio"/> Not required (standard) |  |

| Other requirements    |                                                                                                                                                                                                                                                                                                                                                                                          |  |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Calibration           | <input type="radio"/> BELAC calibration required - please specify the temperature calibration points<br><input type="radio"/> Not required (as standard)                                                                                                                                                                                                                                 |  |
| Certificates (option) | <input type="radio"/> None required<br><input type="radio"/> CE certificate (only if built-in transmitter)<br><input type="radio"/> Conformity certificate<br><input type="radio"/> Material certificate according to EN 10204 3.1<br><input type="radio"/> ATEX Ex d (flameproof) construction with certificate<br><input type="radio"/> ATEX Ex ia (intrinsic safety) with certificate |  |