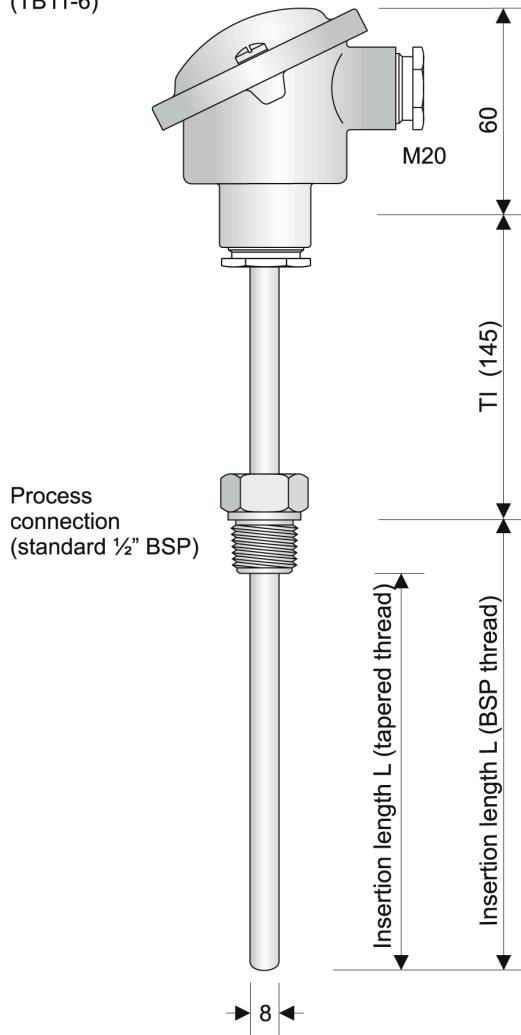




SI7-TI Straight Pt100 probe with process connector with extension tubes - sensor not replaceable

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

-200 to + 600 °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 cylindrical thread, the length L is measured WITH the thread.
For conical threads, the length L is measured WITHOUT the thread*

Process connection

Standard 1/2" BSPP-M
Other sizes or threads available on request.

Extension or lagging

Standard 145 mm, other lengths available on request

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.) Design



CHARACTERISTICS

Mechanical strength of probes with threaded connector

Flow		Insertion lenght	For stainless steel at		
Water	Air		50°C	300°C	400°C
3m/s	25m/s	100 mm	60 kg/cm ²	50 kg/cm ²	46 kg/cm ²
		160 mm	60 kg/cm ²	50 kg/cm ²	46 kg/cm ²
		250 mm	50 kg/cm ²	50 kg/cm ²	46 kg/cm ²
		350 mm	28 kg/cm ²	28 kg/cm ²	28 kg/cm ²
		400 mm	28 kg/cm ²	28 kg/cm ²	28 kg/cm ²

Description	Standard	Your requirements

Thermo element		
Manufacturing standard	☐ Other, please specify ☐ IEC/EN 60751	
Measuring element	☐ Pt100 as standard ☐ Other (please specify)	
Number of sensing elements	☐ Single ☐ Double	
Precision class	☐ Class A ☐ Class AA ☐ Class B as standard	
Wire arrangement	☐ 3-wire arrangement ☐ 4-wire arrangement	
Temperature range	☐ -50 / 200 °C ☐ -50 / 300 °C ☐ Specific range, please specify	

Immersion zone		
Material	☐ AISI 316/316L ☐ Other, please specify	
Diameter	☐ 8x1 mm (as standard) ☐ 6x1 mm ☐ Other, please specify	
Length	☐ 160 mm ☐ 250 mm ☐ 400 mm ☐ Other, please specify	
Reduced tip 	☐ Reduced tip Ø 4 x 50 mm Reduced tip Ø 6 x 50 mm ☐ None - straight tube over the whole length	

Process fitting