

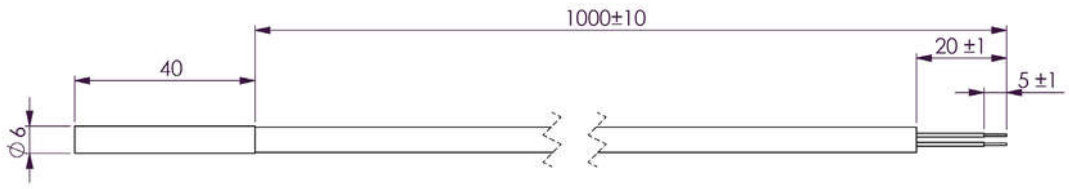
- **Stainless Steel Tubular Sensor**
- **Versatile PT100/PT1000 temperature probe**
- **Miniature design with 316 stainless steel tubular housing - IP67 sealing**
- **Temperature range -55 to +220°C**
- **Mechanically robust design with Silicon cable**

Applications:

Heating / cooling systems
Energy
Laboratory
HVAC
Industrial process
Drilling
Transport

Specifications				
Sensing element	PT100 A	PT100 B	PT1000 A	PT1000 B
Accuracy	± (0,15 K + 0,002 x |t|)	± (0.3 K + 0.005 x |t|) °C	± (0,15 K + 0,002 x |t|)	± (0.3 K + 0.005 x |t|) °C
Working temperature	-55..180 °C, 220 °C up to 30 min	-55..180 °C, 220 °C up to 30 min	-55..180 °C, 220 °C up to 30 min	-55..180 °C, 220 °C up to 30 min
Environmental temperature	-55..180 °C	-55..180 °C	-55..180 °C	-55..180 °C
Epoxy thermal conductivity	1.7 W/(m.K)	1.7 W/(m.K)	1.7 W/(m.K)	1.7 W/(m.K)
Response time in liquids:t90	Approx 25s	Approx 25s	Approx 25s	Approx 25s
Isolation resistance	1 kV	1 kV	1 kV	1 kV
Sealing	IP67	IP67	IP67	IP67
Recommended applied current (self heating must be considered)	1 mA at 100 Ω	1 mA at 100 Ω	0.3 mA at 1000 Ω	0.3 mA at 1000 Ω
Wiring RTD				
Leg 1 of PT	Blue			
Leg 2 of PT	Brown			
Materials				
Leads and insulation	SiHF Silicon wire 2x 0,5 mm^2 conductor, 1 m length with approx. 5,6 mm OD			
Probe material	316 stainless steel			

Reference dimension



Ordering information

(Please use the characters in the chart below to construct your product code)

Sample Code 810xxx - LTP - TP - SS - 40 - 6 - 100 - PT100B

Probe cable length in mm	
100	1000 (Standard)
150	1500
200	2000
x	Custom length

Thermistor Type	
PT100A	PT100 class A
PT100B	PT100 class B
PT1000A	PT1000 class A
PT1000B	PT1000 class B

Stock Model number:

810111 - LTP-TP-SS-40-6-100-PT100B

PT100A / PT1000B or PT1000A on request.