



- ▶ **Stainless Steel Tubular Sensor**
- ▶ **Versatile PT100/PT1000 temperature probe**
- ▶ **Miniature design with 316 stainless steel tubular housing - IP67 sealing**
- ▶ **Temperature range -40 to +125°C**
- ▶ **Improved potting epoxy has outstanding thermal**
- ▶ **Improved potting epoxy has outstanding thermal conductivity for faster response times**

Applications:

Heating / cooling systems
Energy

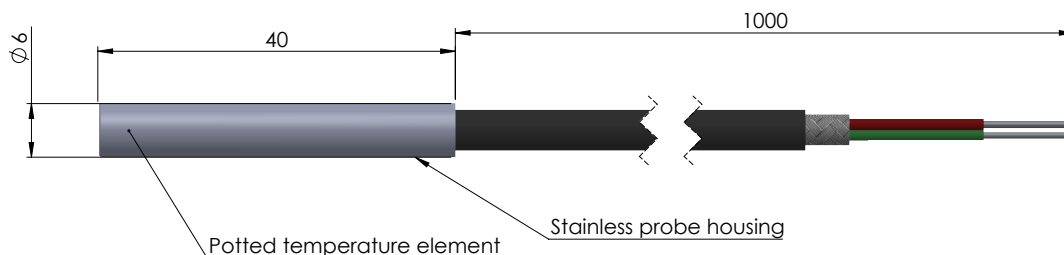
Laboratory
HVAC

Industrial process
Drilling

Specifications				
Sensing element	PT100 A	PT100 B	PT1000 A	PT1000 B
Accuracy	$\pm (0,15 \text{ K} + 0,002 \times t)$	$\pm (0.3 \text{ K} + 0.005 \times t) \text{ } ^\circ\text{C}$	$\pm (0,15 \text{ K} + 0,002 \times t)$	$\pm (0.3 \text{ K} + 0.005 \times t) \text{ } ^\circ\text{C}$
Working temperature	-40..125° C	-40..125° C	-40..125° C	-40..125° C
Environmental temperature	-40..70° C	-40..70° C	-40..70° C	-40..70° 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		Materials	
Leg 1 of PT	Red + Green	Leads and insulation	PVC shielded 1 m
Leg 2 of PT	Blue + Yellow	Probe material	316 stainless steel

Reference dimension



Ordering information

Model number: 94051- ETP-TP-SS-40-6-100-PT100B
94671- ETP-TP-SS-40-6-100-PT1000B
PT100A and PT1000A on request.