EUROSENSOR

ETP-TP-SS-PT
TEMPERATURE SENSOR



- **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:

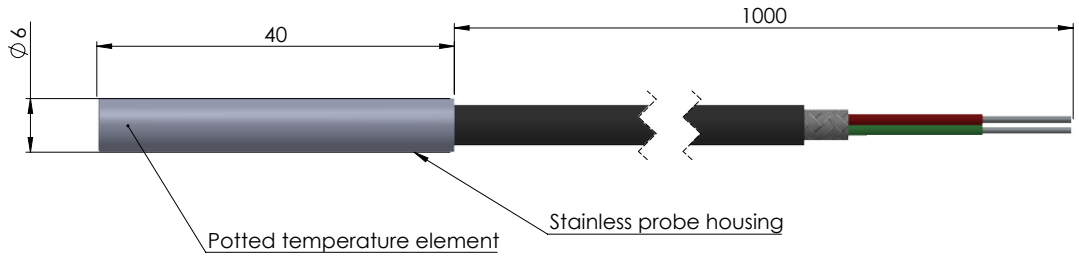
Heating / cooling systems
Energy
Laboratory
HVAC
Industrial process
Drilling

Specifications				
Sensing element	PT100 A	PT100 B	PT1000 A	PT1000 B
Accuracy	± (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	-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	
Leg 1 of PT	Red + Green
Leg 2 of PT	Blue + Yellow

Materials	
Leads and insulation	PVC shielded 1 m
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.