ETP-TP-SS-PT Temperature sensor

Variohm
Eurosensor

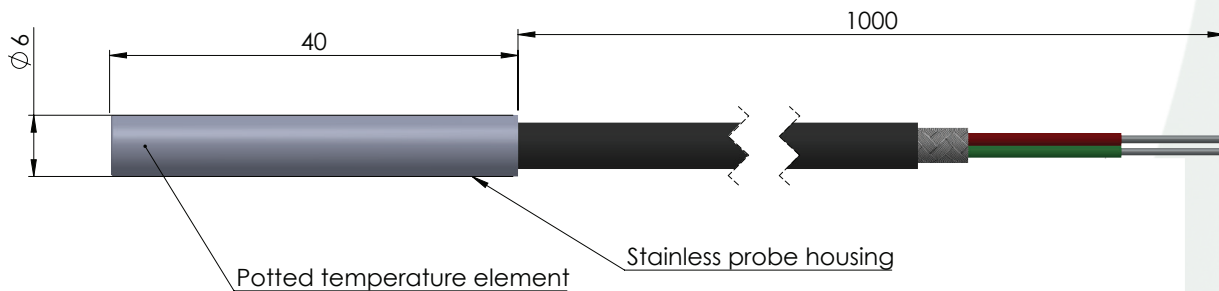## Stainless Steel Tubular Sensor

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

Applications

- Heating / cooling systems
- Laboratory
- Industrial process
- Energy
- HVAC
- Drilling

Reference dimensions:

Potted temperature element

Stainless probe housing

Ø 6

40

1000

Wiring RTD	
Leg 1 of PT	Red + Green
Leg 2 of PT	Blue + Yellow

Specifications

Technical parameters for stock model	
Sensing element	PT100
Accuracy	± (0.3 K + 0.005 x |t|) °C
Working temperature	-40..125° C
Environmental temperature	-40..70° C
Epoxy thermal conductivity	1.7 W/(m.K)
Response time in liquids:t90	Approx 25s
Isolation resistance	1 kV
Sealing	IP67
Recommended applied current (self heating must be considered)	1 mA at 100 Ω 0.3 mA at 1000 Ω

Materials	
Leads and insulation	PVC shielded 1 m
Probe material	316 stainless steel

Ordering information:

Model number: 94051- ETP-TP-SS-40-6-100-PT100B

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Subject to change without notice

Variohm
Holdings Ltd