



Model: STT-27

High pressure temperature sensor



Description:

The STT-27 high pressure temperature sensor is designed to be used in applications where it will be screwed into high pressure chambers or pipe work. The housing is stainless steel and machined from a single piece or bar stock to ensure no welds or weak points in the design.

The temperature element is either thermocouple, thermistor or resistance thermometer and is secured in place with solid epoxy potting. A selection of different electrical cables can be chosen to interface to the sensor.

Product Highlights:

- High pressure resistance up to 1000 bar
- Choice of threaded connections: BSP / NPT
- Choice of probe diameter and probe length
- Various sensing elements available:
thermocouple, thermistor, resistance thermometer
- Suitable for temperatures up to 250°C

Applications include, but not limited to:

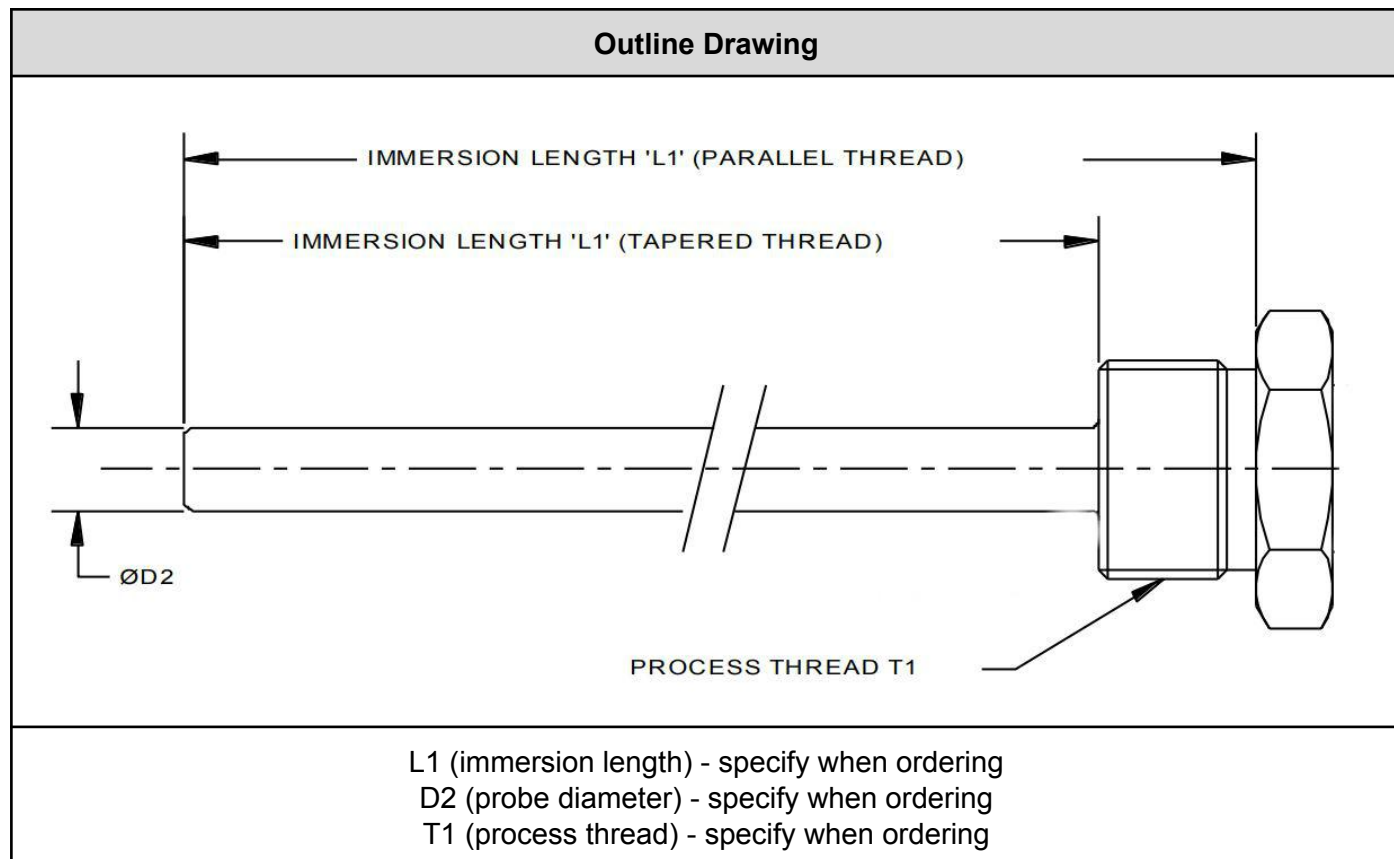
- OEM installations
- Laboratory & Research testing
- Hydraulic & Pneumatic testing
- Data logging
- Aerospace test and research
- Automotive component testing
- Academic research



Specification:

STT-27 High pressure temperature sensor	
Sensor technology	Thermocouple, thermistor, resistance thermometer
Output Versions	mV thermocouple / thermistor, PT100 / PT1000 Resistance thermometer
Pressure Rating	Tested to 1000 bar
Ambient temperature	-20 °C to +85 °C (depending on cable connection)
Media temperature	-40 °C to +250 °C
Media wetted parts	316 Stainless Steel
Permissible media	All fluids compatible with media wetted parts
Electrical connection	Cable Outlet, PVC, FEP or Silicone cable
Pressure connection	G1/2" DIN 3852 male (Standard), 1/2" NPT male (others on request)
Environmental Protection	IP65

Dimensional Drawings:





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