

Model: SSTT

Subsea

Temperature

Transmitter



Description:

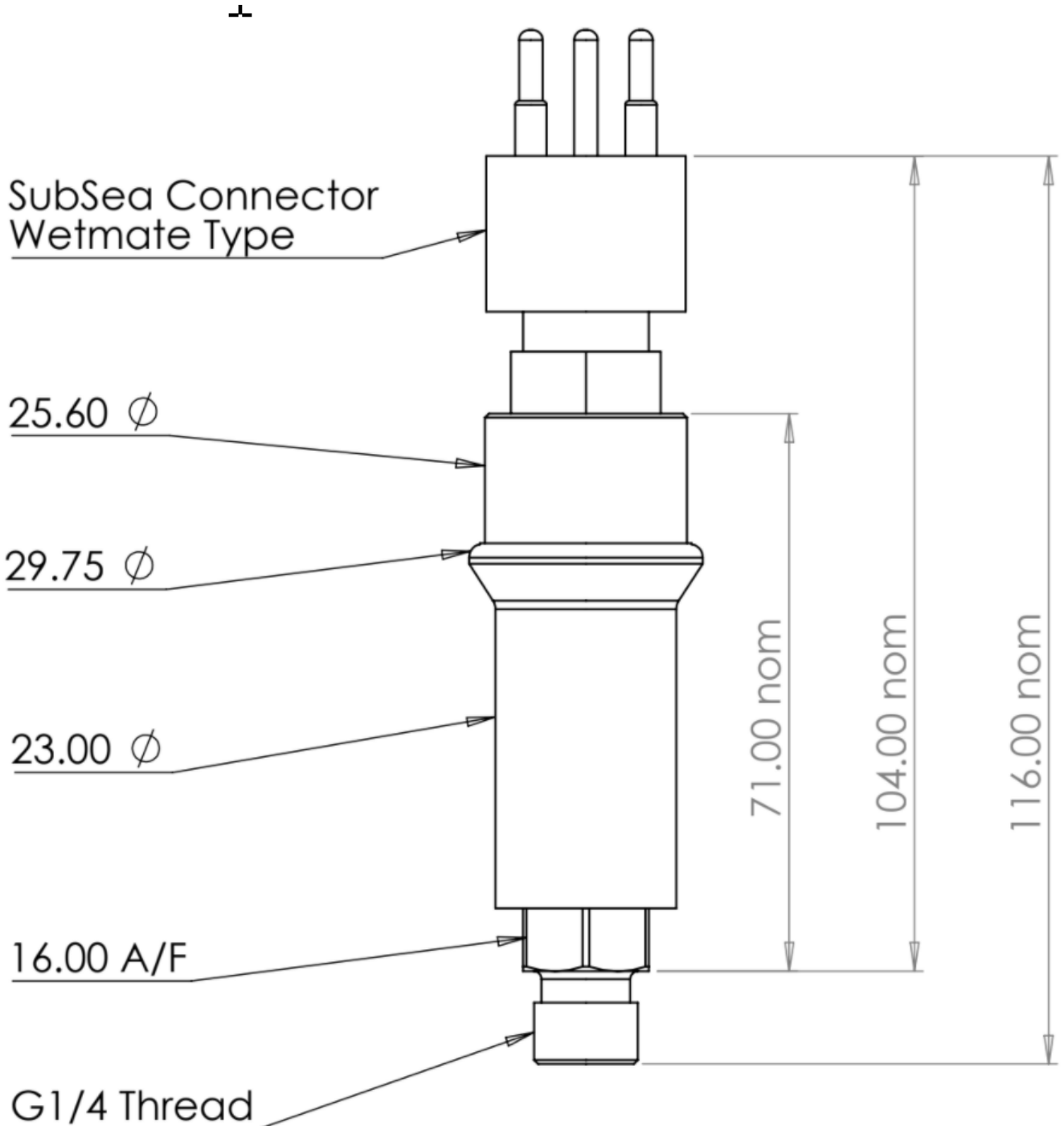
The SSTT Subsea temperature transmitter has been developed using a Class A, PT100 sensing element housed in a robust housing capable of withstanding high external pressures. It has the option of a subsea wet-mateable connector in both 2, 3 or 4-pin configuration, depending on the customers preferred mating connectors, offering complete and permanent submersion up to 3000m depth. We can also install customer specified connectors from all the major manufacturers to ensure the sensors interface with your existing infrastructure.

The standard version is made from high quality Duplex Stainless Steel with options of Marine Bronze and Titanium depending on the application requirements.

<p>Product Highlights:</p> <ul style="list-style-type: none"> ● Options for calibrated temperature range ● Accuracy $<\pm 0.5^{\circ}\text{C}$ / $<\pm 0.25^{\circ}\text{C}$ ● High corrosion resistance ● Choice of wetted materials ● Wet-mateable electrical connectors with depth ratings to 4000m ● Choice of mechanical connections ● Optional protruding probe, various lengths 	<p>Applications include, but not limited to:</p> <ul style="list-style-type: none"> ● Oil and gas drilling and exploration ● Deep sea remote or unmanned vehicles ● Subsea equipment ● Submarine installations ● Deep sea dredging suction pipes & pumps ● Subsea Pods
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SSTT Specification	
Sensor technology	Resistance thermometer, RTD
Output Versions	4-20mA (2-wire) (Standard) Optional: PT100 / 3-wire, PT100 / 4-wire, PT1000 / 3-wire, PT1000 / 4-wire
Supply voltage	10 - 32V dc
Accuracy	$\leq \pm 0.5^{\circ}\text{C}$ / $\leq \pm 0.25^{\circ}\text{C}$
Long Term Stability:	$\leq \pm 0.10$ % FS
Sensor Startup time	4 Seconds
Response time	1 Second
Media temperature	- 4 to 60°C, 25 to 140°F
Storage temperature	- 40 to 60°C, - 40 to 140°F
Media wetted parts	Standard: Duplex UNS31803 Stainless Steel Optional:, Marine Bronze CA104 or Titanium housing,
Permissible media	All fluids compatible with media wetted parts
Electrical connection	2-pin, 3-pin or 4-pin Subsea wet-mateable connector (others on request)
Pressure connection	G1/4" DIN 3852 male (Standard), 1/4" NPT male, Optional Nose cone
Submersible depth	Tested to 3000m

SSTT Dimensional Drawings





SSTT Part Numbering system

SSTT - SubSea Temperature Transmitter	SSTT	-	X	X	-	X	X	-	X	X	-	X	X	Price (£)
Output Type														
PT100, 3-wire Class A	A													-
PT100, 4-wire Class A	C													-
PT1000, 3-wire Class A	D													-
PT1000, 4-wire Class A	E													-
4-20mA / 2-wire	F													-
Other (contact sales)	X													-
Probe Length														
None	A													-
25mm	B													£20.00
Electrical Connection														
2-pin Subsea wet-mateable connector													2	-
3-pin Subsea wet-mateable connector													3	-
4-pin Subsea wet-mateable connector													4	£40.00
Other (contact sales)													X	-
Process Connection														
G1/4" male DIN 3852													G	-
1/4" NPT male													N	-
G1/2" male DIN 3852													H	-
Other (contact sales)													X	-
Housing Material														
UNS31803 Duplex Stainless Steel													D	£357.00
Marine Bronze CA104													M	£335.00
Titanium Alloy													T	£560.00
Other (contact sales)													X	-
Seal Material														
Viton													V	-
EPDM													E	-
NBR													N	-
Temperature Range														
0 to +100°C (standard)													A	-
0 to +50°C													B	-
-10 to +60°C													C	-
0 to +35°C													D	-
32 to +212°F													E	-
0 to +122°F													F	-
14 to 140°F													G	-
32 to 95°F													H	-
Custom													9	-
Special Options														
None														0 0 -

Accessories:

Mating Wet-mateable moulded cable cordset	
	
Nose Cone	USB Configuration Kit
	 <p data-bbox="986 1603 1302 1637"><u>USB Configuration Kit</u></p> <p data-bbox="970 1675 1318 1709">Part No.: USB Config MKII</p> <p data-bbox="834 1749 1453 1816">Allows you to reprogram the temperature range and filtering of the output from the sensor</p>