



Model: STT-26

Submersible Temperature Transmitter



Description:

The STT-26 Submersible temperature transmitter has been designed to be permanently submersed in liquids and suspended by its cable making installation very simple. The housing is available in either stainless steel or marine bronze to ensure complete compatibility with the media.

The temperature measuring element is a resistance thermometer and is secured in place with solid epoxy potting on the body of the sensor to ensure the quickest response time to temperature change. This is paired with accurate amplifier electronics to produce a 4-20mA output scale over your desired temperature range. The device can also be rescaled using the 'User Configuration Interface' and simply connect the output wires to the device, interface to the PC/Laptop USB port and use the free software supplied.

Product Highlights:

- Fully submersible IP68
- Stainless steel housing
- Marine bronze for seawater applications
- Stable 4-20mA, 2-wire electronics
- Latest digital technology to ensure accurate, low drift performance

Applications include, but not limited to:

- Water tank temperature measurement
- Legionnaires prevention systems
- Tsunami monitoring
- Harbour seawater monitoring
- Estuary temperature analysis
- Environmental monitoring systems
- Marine biology studies



STT-26 Submersible temperature transmitter specification:	
Sensor technology	Resistance thermometer (PT100)
Output Type	Analogue 4-20mA / 2-wire
Loop power supply	10 - 32V dc
Accuracy	mA output /2000 or 5 uA, whichever is the greater
Pressure Rating	Tested to 5 bar for 48 hours, maximum submersion depth 50m
Media temperature	-30 °C to +75 °C
Media wetted parts	316 Stainless Steel or CA104 Marine Bronze
Permissible media	All fluids compatible with media wetted parts
Electrical connection	Submersible Cable Outlet, PUR, TPE-U, FEP cable
Cable Length	Standard lengths: 2, 5, 10, 15, 20, 50m Optional: any cable length required in 1m increments Cable length does not affect the performance of the sensor but is limited to 1000m
Environmental Protection	IP68

Outline Drawing	Accessories
<p>PUR or TPE Cable</p> <p>Heatshrink Boot</p> <p>Stainless Steel or Marine Bronze Housing</p> <p>115 mm nominal</p> <p>Ø 25 mm</p>	<p><u>USB Configuration Kit</u></p> <p>Part No.: USB Config MKII</p> <p>Allows you to reprogram the temperature range and filtering of the output from the sensor</p>



Part Numbering

STT-26 Submersible Temperature Transmitter STT-26 - X X - X X X - X - X X

Housing Material

316 Stainless Steel S
CA104 Marine Bronze M

Cable Material

PUR P
TPE-U T
FEP F

Cable Length (in 1 metre increments)

5m 0 0 5
10m 0 1 0
Custom (enter required cable length) X X X

Calibrated 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

Example Part Number:

STT-26-MT-010-A-00

Housing Material: CA104 Marine Bronze

Cable Material: TPE-U

Cable Length: 10m

Calibrated Temperature Range: 0 to +100°C

Special Options: None

Feel free to contact us if anything is unclear or not mentioned on the datasheet, we can custom build sensors to suit the application and we would love to hear from you.