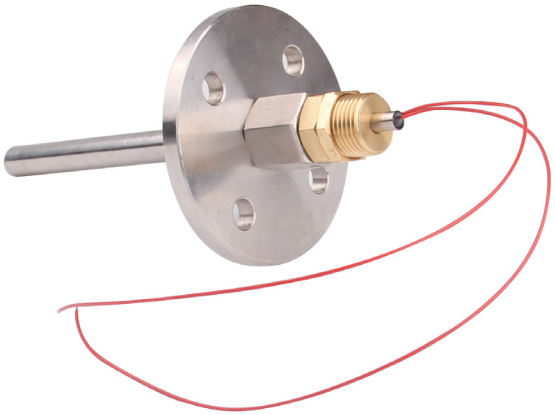
BTS-12

Description

The Boiler stack temperature sensor and well is designed to monitor the temperature of boiler stacks, steam lines,and other applications where the temperature may rise above the operating range of standard sensors. The Platinum thermistor sensor embedded in a stainless steel housing allows for protection against water ingress that cause traditional temperature sensors to fail.When it's used with the RTD2 Transmitter,a 1~5V output is created to measure the temperature. To adjust the RTD2, set the DIP switches to match the desired range and use the zero to fine tune.Digital ohmmeter are required.



Highlights

- All stainless steel probe;
- High temperature span,-200 °C ~300 °C;
- Brief response time;
- Low self-heating rate;
- Long-Term Stability;
- Resistant against vibration and temperature shocks.

RTD2

Specifications

	PT1000
Operating Temperature Range	-200 °C ~300 °C
Operating Pressure	3000 psig (20.7 mPa) max
Accuracy	Calibration accuracy ±0.05% of span
B Value:	1000Ω ±1%
Temperature Coefficient	TCR = 3850 ppm/K
Sensor Type	1K Platinum thermistor
Sensor Leads	Two-wire nickel coated stranded copper
Extension	Wire connections
Probe Material	Stainless Steel 304
Well Material	Stainless Steel 304

	RTD2
Supply Voltage	24-28VDC
Signal Output	4~20mA
Maximum Output Impedance	675Ω@24VDC
Accuracy	0.2%
Operating Temperature Range	0-300 °C
Operating Humidity	0%to95%non-condensing
Load resistance	≤550Ω
Response time	≤0.5S
Dimension	105mm*45mm*25mm

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Part Number Scheme

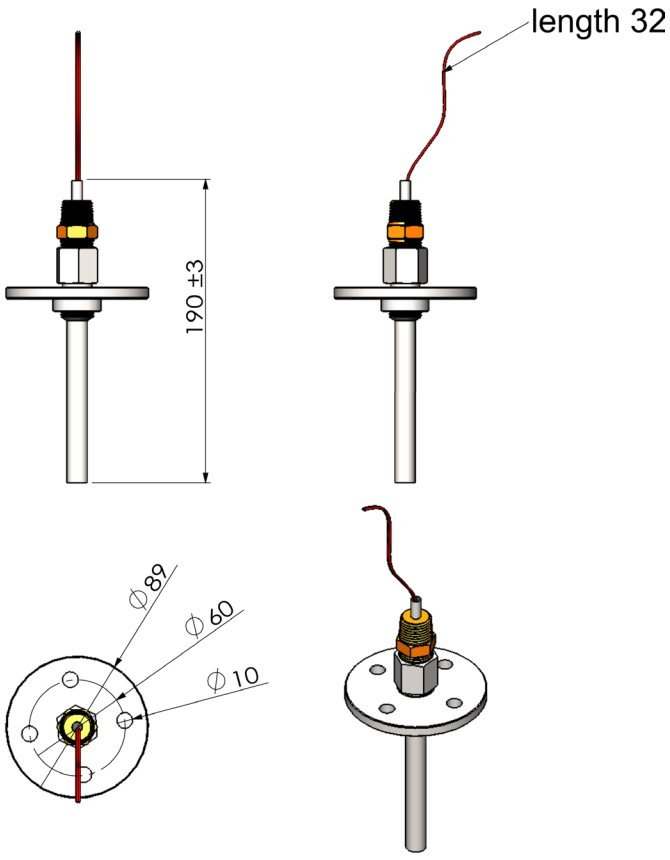
BTS-12

Code	Description
BTS	Boiler stack temperature sensor and well

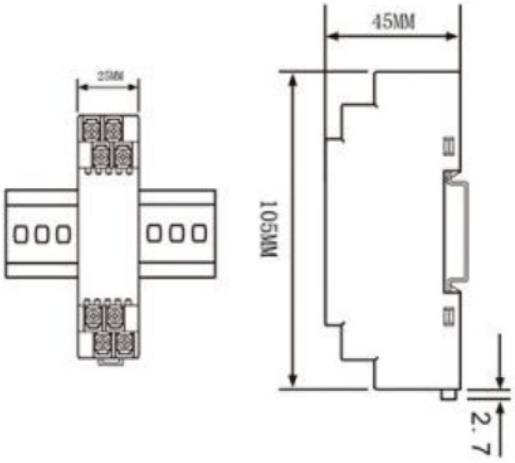
Code	Temperature Curve
12	1K PT

Dimension

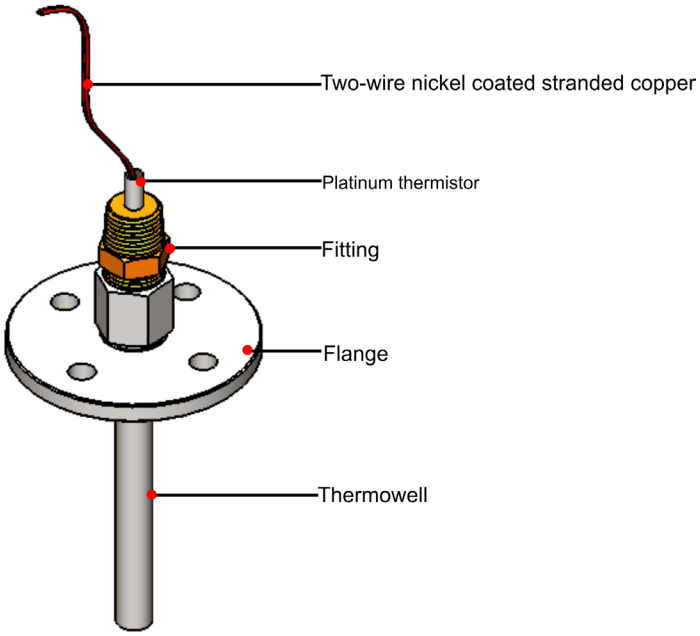
Unit:mm



RTD2



Structure Graphic



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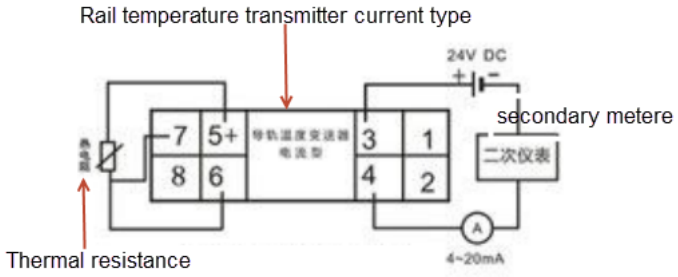
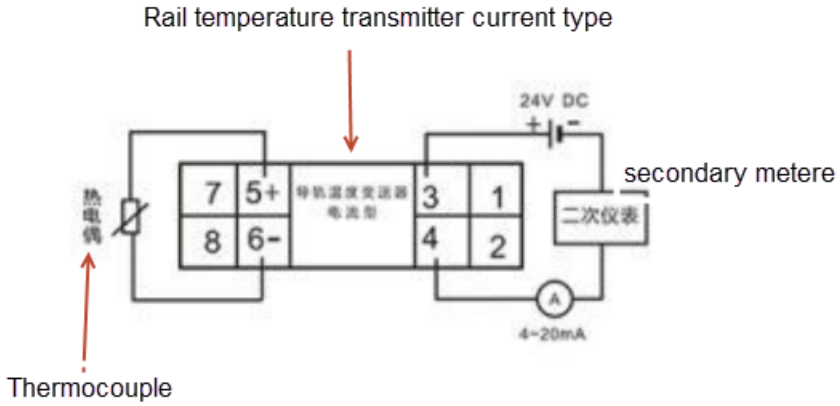
Application guide and terminal diagram

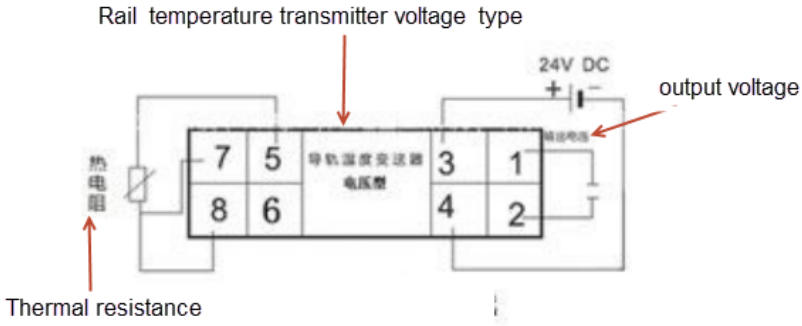
PT100 current output wiring



K-type output wiring



PT100 voltage output wiring



RTD2 Installation

Installed with DIN35mm standard rail
step1, clip the upper end of the meter to the guide rail
step2,push the lower end of the meter into the guide rail