

ST02 Temperature Transmitter

Features

- Easy mounting, no need for maintenance
- Liquid/gas all available
- Multiple output signal optional
- Quick response, good accuracy
- Excellent long-term stability
- Different process connection available



Introduction

ST02 Temperature transmitter use PT100/PT1000 temperature sensor as the sensing element, signal is amplified into standard signal such as 4-20mA, 0-5V/0-10V, RS485 etc. There are linear correction circuit applied in the transmitter, make sure the entire transmitter has very good accuracy.

Specification

Range	-40~200℃
Mounting	Insert probe 50mm(typical), customized
Probe diameter	6mm
Sensor	PT100/PT1000
Accuracy	±0.5℃
Response time	T=5℃ 2.3s; T=90℃ 5.4s
Reverse polarity protection	YES
Working temperature	-40~85℃
Protection	IP65

Output Signals

2-wire current	4~20mA
3-wire current	4~20mA (default)
	0~20mA
3-wire voltage	DC 0~10V
	DC 0~5V
	DC 1~5V
	DC 0.5~4.5V
	DC 0.5~2.5V
	DC 0.1~2.1V
3-wire proportional voltage	DC 0.5~4.5V
RS485	

For other output requirements, please contact us.

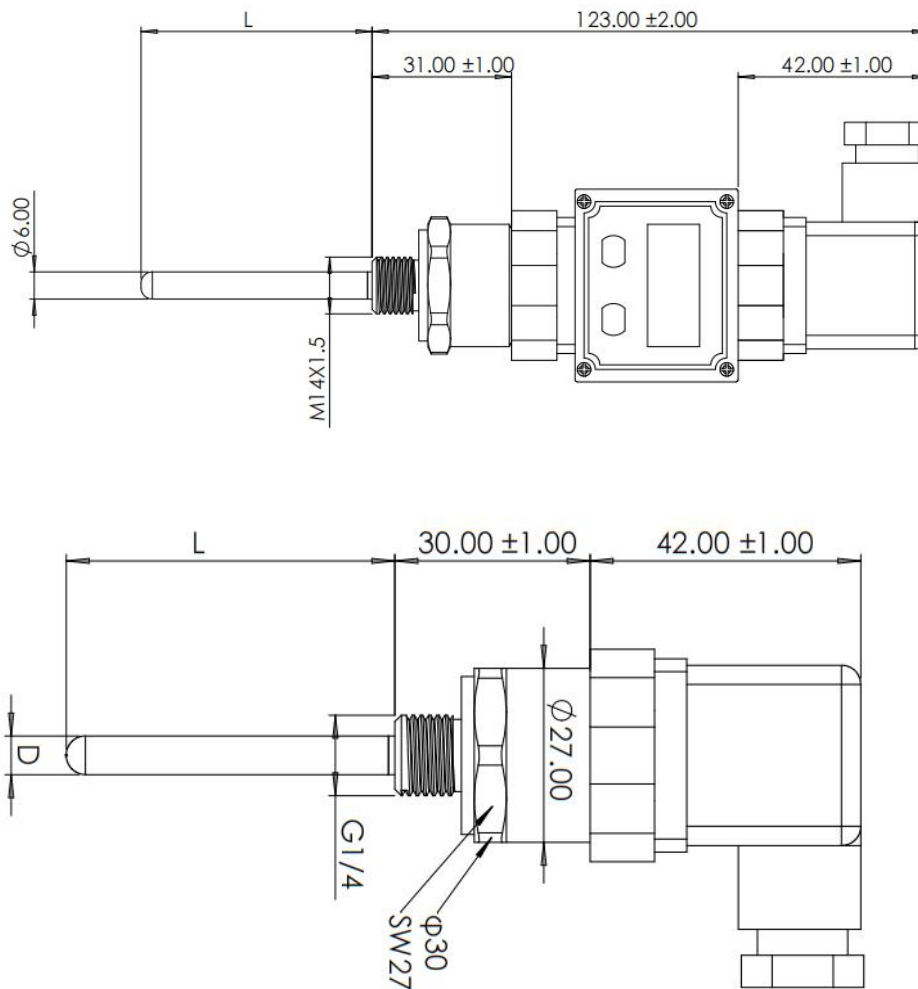
Power Supply

Output signals	Power supply	
	Default	Optional
4~20mA	DC 11~28V	DC 8~32V
DC 0~10V	DC 11~28V	DC 11~32V
DC 0~5V	DC 11~28V	DC 11~32V
DC 1~5V	DC 11~28V	DC 11~32V
DC 0.5~4.5V	DC 5V±0.1V	DC 8~32V
DC 0.5~2.5V	DC 5V±0.1V	DC 8~32V、DC3.3V
DC 0.1~2.1V	DC 5V±0.1V	DC 8~32V、DC3.3V
DC 0.5~4.5V (proportional output)	DC 5V±0.5V	/
RS485	DC 11~28V	DC 5V±0.1V

Construction Material

Housing	SS 304/316
Probe Rod	SS 304/316

Outline Dimension (unit: mm)



Electrical Connection

Hirschmann			
		2-wire	3-wire
	UB	1	1
	0V	2	2
	S+	-	3

Description

UB : Power +

0V : Power -

S+ : Analog output

Order Guide

ST02	Temperature Transmitter				
	Range	-40~200℃			
	[0~X] °C	X: the actual measured pressure			
		Code	Output signal		
		E	4~20mADC		
		V	0~10VDC		
		R	RS485		
			Construction material		
		Code	Probe Rod	Housing	
		22	SS304	SS304	
		24	SS316L	SS316L	
			Code	Others	
			C2	G1/4 male thread	
ST02	[0~1 °C]	E	22	C2	the whole spec

Contact

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