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## 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

Item	Specification
Range	-40-150℃
Mounting	Insert probe 50mm(typical), customized
Probe diameter	6mm, 8mm, 10mm, 12mm
Sensor	PT100/PT1000
Output signal	4-20mA. RS485
Accuracy	±0.5%FS
Response time	T=5℃ 2.3s; T=90℃ 5.4s
Reverse polarity protection	YES
Working temperature	-40~+85℃
Protection	IP65

**Construction Material**

Case Material	SS
Wetted parts material	SS

**Order Guide**

ST02		Temperature Transmitter						
		Range		-40-150℃				
		[0～X]℃		X: the actual measured pressure				
				Code	Output signal			
				E	4～20mADC			
				V	0～10VDC			
				R	RS485			
					Code	Construction material		
						Diaphragm	Pressure port	Housing
					22	SS316L	SS304	SS304
					24	SS316L	SS316L	SS316L
						Code	Others	
						C3	G1/2 male thread	
ST02		[0～1℃]		E	22	C3	the whole spec	