

QTB102

Industrial Temperature Transmitter

Overview

QTB102 is a temperature transmitter which is widely used in temperature measurement of liquid and gas. It is equipped with Aluminum alloy case and imported temperature sensor.

It use thermocouple and thermal resistance as temperature sensitive components, and output standard industrial signals after temperature compensation, digital circuit correction and signal conditioning. Each type of product has undergone careful design, component screening, process verification and curing, cyclic loading and aging, environmental simulation testing and other processes to ensure that each product is stable and reliable.



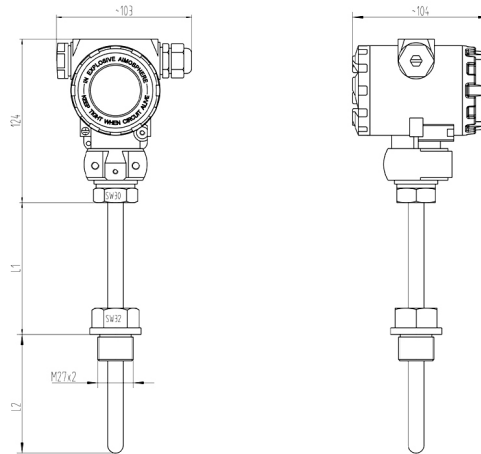
Features

- Aluminum alloy case
- Imported temperature sensor, high anti- interference
- Saving cost of compensating lead wire and installation
- Wide range of -200 °C-1600 C
- Cold junction compensation and nonlinearity correcting circuit
- Compact size, easy to install
- High stability, low drift
- A variety of structures to choose from
- It can be used in various industrial occasions and has strong versatility

Performance Parameter

Measuring Range	-200~1600°C
Output	4-20mA/RS485/Hart+4-20mA
Power Supply	10-30VDC
Accuracy	0.2%F.S / 0.5%F.S
Overload Capacity	150%
Thread	G1/2 / G1/4 / G1/8 / NPT1/2 NPT1/4 (Customizable)
Stability	≤0.1%/year
Display	LED/LCD
Ambient Temperature	-20°C~70°C
Protection	IP65
Display Range	-19999~99999
Relative Humidity	≤80%
Interface Material	SS304/316

Dimensions



Ordering Guide

QTB102	Industrial Temperature Transmitter	
I	Code	Output
	I	4-20mA
	H	Hart+4~20mA
	R	RS485
S	Code	Shell Color
	S	Single Color(Blue)
	D	Double Color(White and Green)
W	Code	Display
	W	Non-Display
	X	LED
	Y	LCD
A	Code	Type
	A	Thermocouple (Note graduation number)
	B	Thermal Resistance
G14	Code	Thread
	G14	G1/4
	G12	G1/2
	G38	G3/8
	NPT14	NPT1/4
	NPT12	NPT1/2
	MT	Movable Thread Installation
	DN10	Fixed Flange Installation(DN10、DN15、DN20、DN32...)
	C5	Clamp Connection 50.5mm
	C6	Clamp Connection 64mm
0-100°C	Code	Measuring Range
	(0-X)°C	X (Actual required range)
6	Code	Probe Rod Diameter Unit: mm (If Equipped With A Thermowell, Please Inform In Advance)
	6	6mm
	8	8mm
	10	10mm
	12	12mm
P80mm	Code	Probe Rod
	Pxx	Calculated based on the actual required length, unit: mm. The insertion depth length does not include threads by default.
S4	Code	Media Contact Materials
	S4	SS304
	S6	SS316L
	Customized	
50mm	Code	Cooling Part Size (Added When Medium Temp. Over 100°C)
	50mm	100~150°C
	100mm	150~250°C
	150mm	250~400°C