PZT950 Temperature Transmitter

Introduction

PZT950 temperature transmitter is the application of the platinum resistance varies with temperature, characteristic and present a certain function to measure the measured medium temperature. The transmitter uses platinum resistance of high performance, high reliability, after the temperature and non-linear compensation precision. By analyzing the temperature measurement of the measured medium, can output a standard industrial control signal.
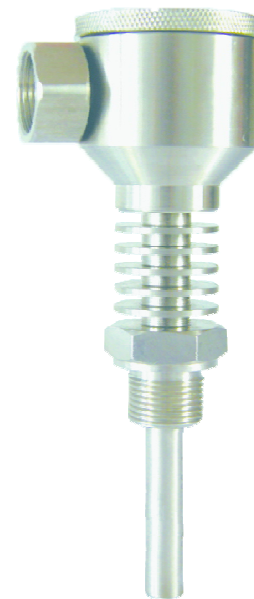
PZT950 uses entire welding structure and high strength outer housing, it is widely used for temperature measurement and control in many automatic temperature measurement & control systems 。
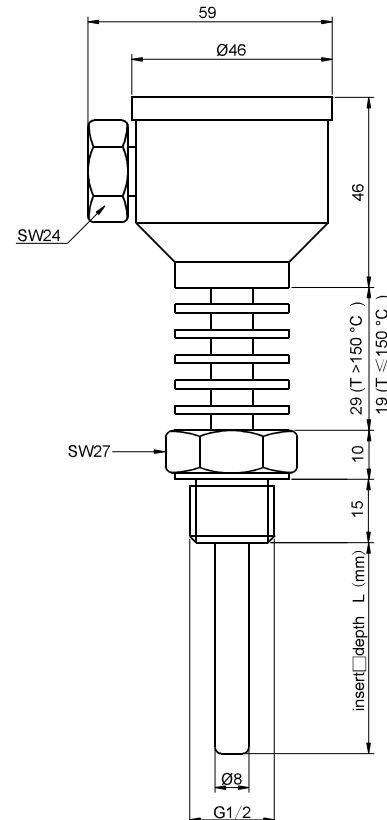
Features

- Explosion-proof: Ex ia II CT6
- Anti-vibration,anti-impact, withstand high pressure
- Good stability and high accuracy
- Fast response, convenient installation
- Many kinds of connection modes and output signals
- Many kinds of structures, can be made as customer's request

Applications

- Petroleum machinery
- Chemical machinery
- Pump and compressor
- Electric power
- Boiler, natural gas

Dimensions

Notes: All dimensions are in mm.

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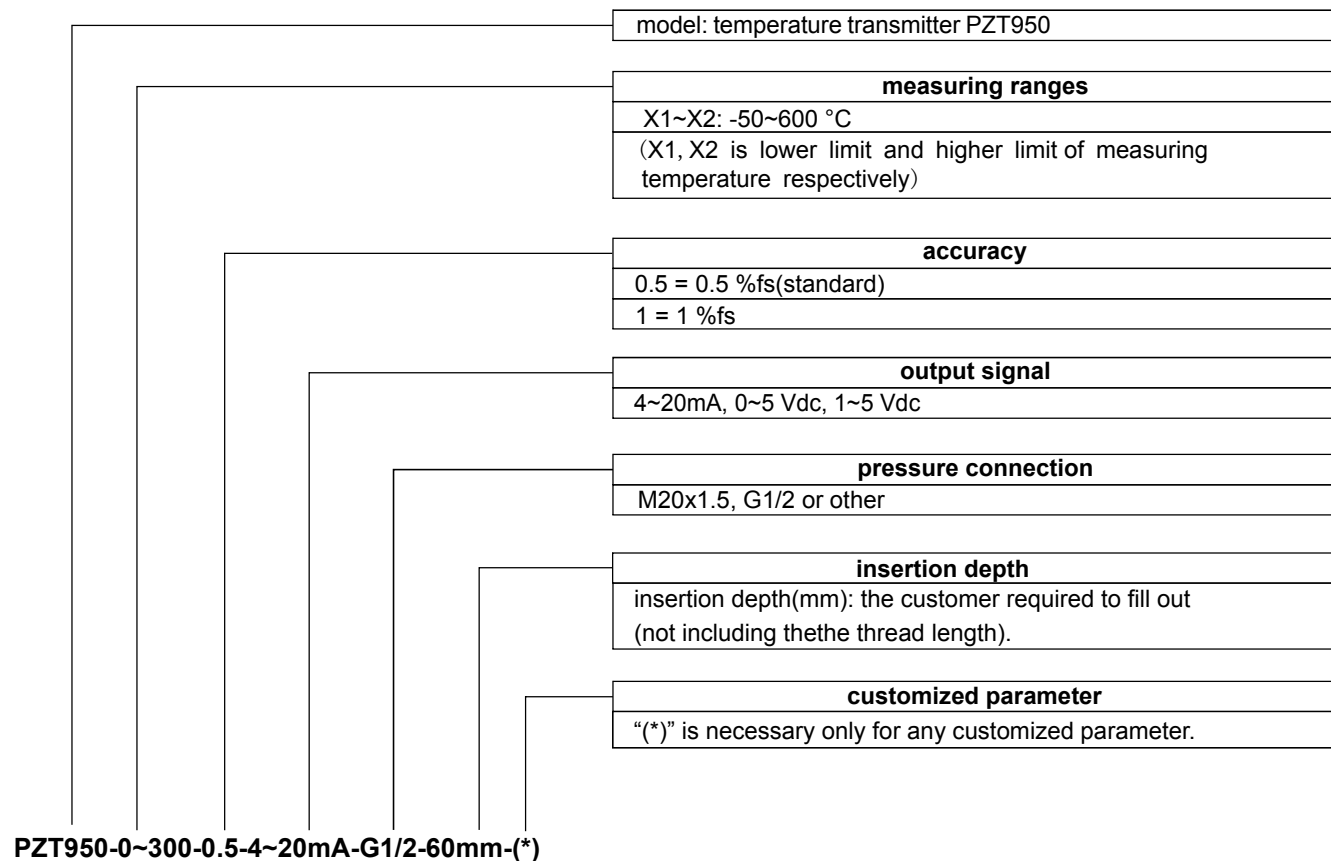
PZT950 Temperature Transmitter

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Specifications

Parameter	Units	Data	Notes
Measuring range	°C	-50~600	
Accuracy	%fs	≤ ±0.5(standard) , ≤ ±1	[1]
Output signal	/	4~20mA (standard), 0~5 V, 1~5 V	
Power supply (U)	Vdc	24	
Platinum resistance	/	C1 Pt100 or Pt1000	
Long-term stability	%fs/year	≤ ±0.2	
Thermal response time	s	≤ 30	
Temperature coefficient	%fso/°C	≤ ±0.2	
Insulation resistance	MΩ	100 @250Vdc	
Environment protection	/	IP65	
Electrical connection	/	M20x1.5 (female)	
Pressure connection	/	M20x1.5, G1/2	
Explosive-proof	/	Exia II CT6	
ambient temperature range	°C	−40~85	
relative humdity	%RH	0~95	

Notes: Measuring mediashould be compatible with stainless steel. For customized requests, please consult Proza.

[1]. "fs" refers to full scale messuring range.

Ordering Guide

model: temperature transmitter PZT950

measuring ranges
X1~X2: -50~600 °C
（X1, X2 is lower limit and higher limit of measuring temperature respectively）

accuracy
0.5 = 0.5 %fs(standard)
1 = 1 %fs

output signal
4~20mA, 0~5 Vdc, 1~5 Vdc

pressure connection
M20x1.5, G1/2 or other

insertion depth
insertion depth(mm): the customer required to fill out
(not including thethe thread length).

customized parameter
"(*)" is necessary only for any customized parameter.

PZT950-0~300-0.5-4~20mA-G1/2-60mm-(*)

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