Product model: HTM208 explosion-proof temperature transmitter

Manufacturer: Nanjing Hangjia Electronic Technology Co., Ltd.

Product category: temperature transmitter

Application: field temperature measurement and control in petroleum, chemical, metallurgy, electric power, hydrology, and other industrial processes

Product Overview

HTM208 explosion-proof digital temperature transmitter uses PT100 as the signal measurement component. The amplification circuit is in the stainless-steel shell to convert the sensor signal into a standard signal. The entire product has undergone rigorous testing and aging of components, semi-finished products and finished products. With its excellent reliability, wide adaptability, product flexibility and diversity, this product is widely used in on-site temperature measurement and control of industrial processes such as petroleum, chemical industry, metallurgy, electric power, hydrology, etc.
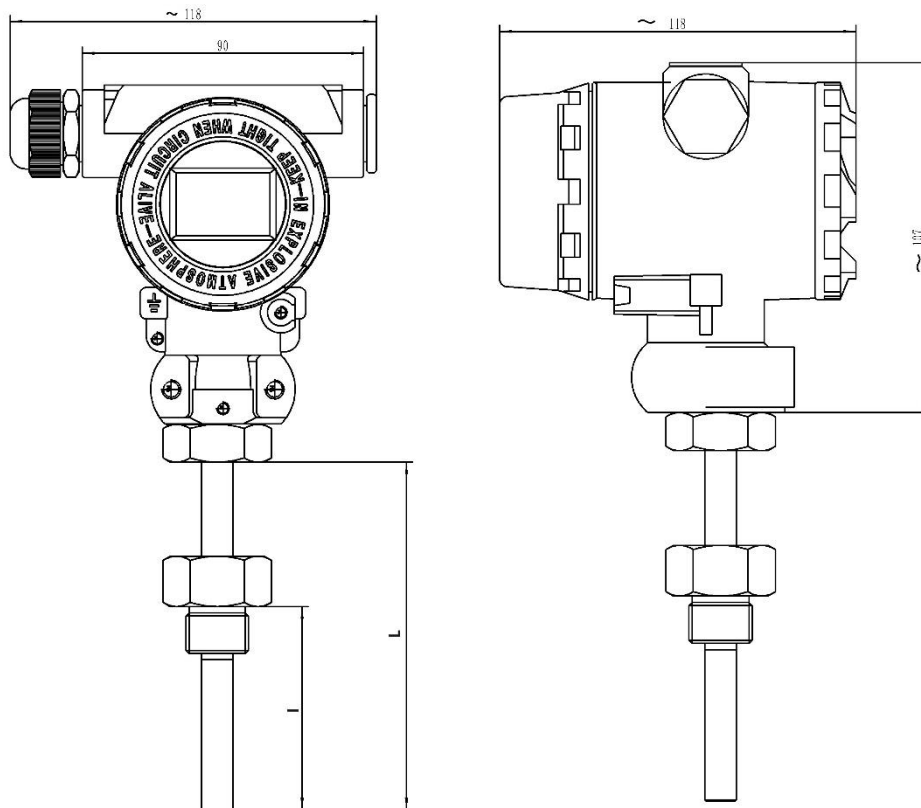
Features

◆ On-site display
◆ Support RS485 communication protocol or HART communication protocol
◆ Shell protection grade IP65
◆ The material in contacted with medium is stainless steel with good corrosion resistance.
◆ Suitable for temperature measurement of fluid media, long-term stable operation
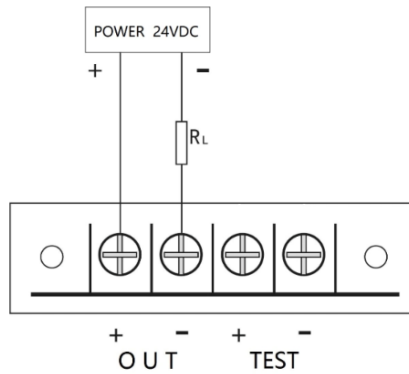◆ Impact resistance, vibration resistance and corrosion resistance

Technical Parameters

Measuring Temperature Range	-40～1500℃
Measuring Medium	various liquid, gas, or steam compatible with 304 or 316L stainless steel
Accuracy	±0.5%FS
Long-term Stability	±0.2%FS/year
Insertion Depth	customization
Installment Thread	customization
Operation Temperature	-30～85℃（normal type）; -20～60℃（Explosion-proof type）
Storage Temperature	-30～85℃
Supply Voltage	24VDC
Output Signal	2-wire 4～20mADC，or RS485, HART
Protection Grade	IP65
Electrical Connection	Cables with cable gland
Explosion-proof	ExdⅡCT6 Gb

Structure Drawings (Unit: mm)

Electrical Connection

Ordering Guide

Model	Type								
HTM208	HTM208 digital temperature transmitter								
	Code	Installation							
	LW-G	Threaded installation							
	FL-G	Flange installation							
	KP	Clamp installation							
		Range	Measuring Range						
		(0～X) ℃	Fill X directly						
			Code	Output singnal					
			B1	(4～20)mA					
			B7	RS485					
			B8	HART					
				code	Installation form				
				1	Fixed				
				2	Movable				
					Code	Process Connection			
					P1	M20×1.5			
					P4	G1/2			
					P17	M27×2			
					P22	M16×1.5			
					K1	1.5" clamp			
					K2	2" clamp			
					F20	DN20			
					F50	DN50			
						Code	Electronical Connection		
						C2	Cable		
							Code	Sensor type	
							P	PT100	
							K	K index thermocouple	
							S	S index thermocouple	
								Code	Others
								d	Exd IIC T6 Gb
								l	l=insertion depth(mm)
								L	L=Total length of protective tube(mm)
								φ	φ=Protection tube diameter(mm)
								F	Special anti-corrosion requirements
HTM208	LW-G	(0~300) ℃	B1	1	P1	C2	P		d l=200 L=350 φ=12

Certification Information

Factory certification	
Certification organization	CQM
Quality management system	ISO 9001:2015
Certification scope	Research, development and manufacture of pressure transmitter and temperature transmitter
Certificate No.	00223Q21711R1S