

Product model: HTM128 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

HTM128 explosion-proof temperature transmitter uses PT100, PT1000 or Thermocouple 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

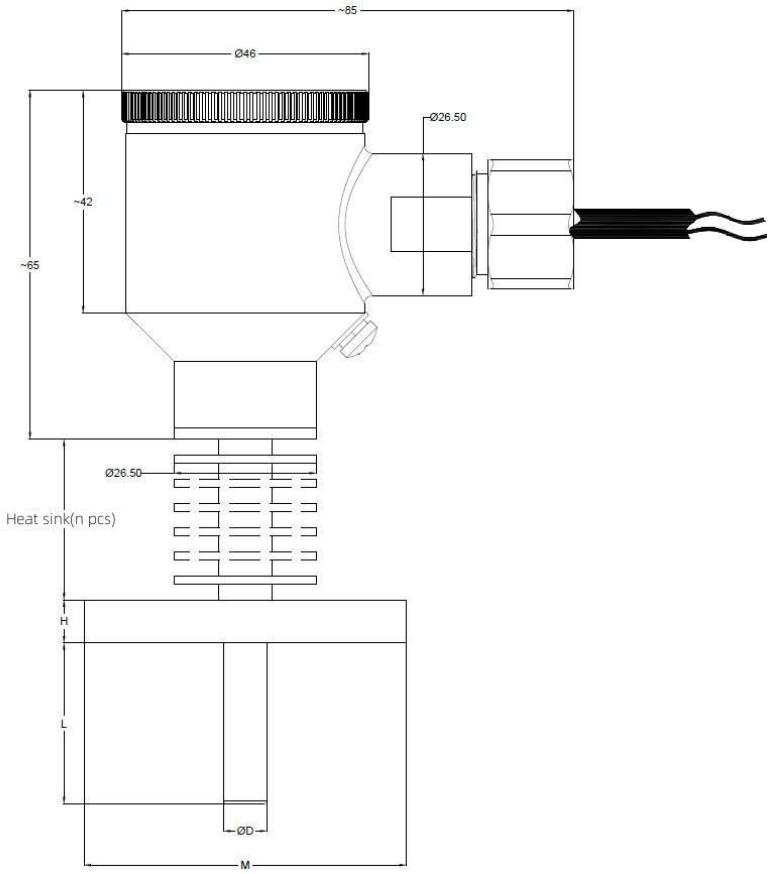
- All stainless-steel housing, protection grade is IP65.
- Reverse polarity protection and instantaneous overcurrent and overvoltage protection measures, strong anti-interference, and good long-term stability
- High precision and good stability
- Supports various process interfaces, easy to install and use on site.

Technical Parameters

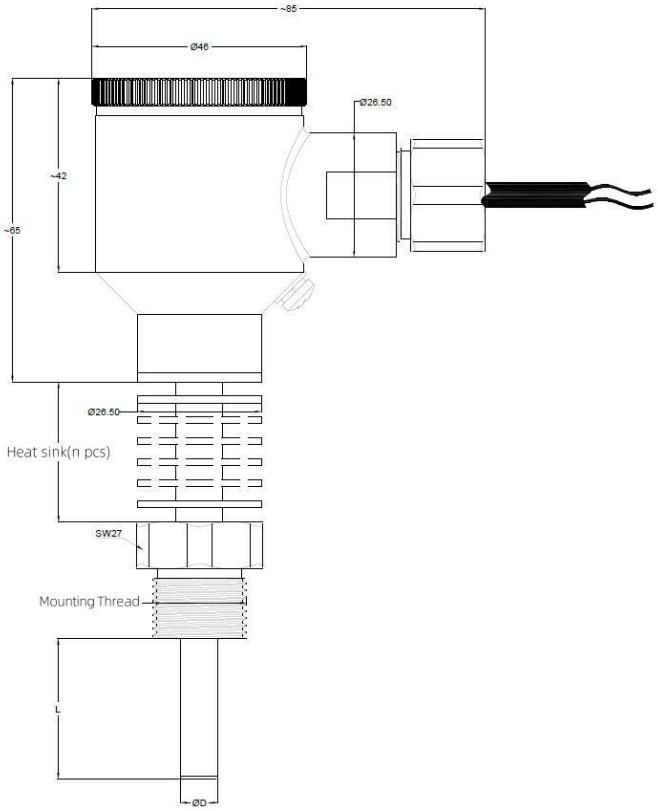
Measuring Temperature Range	-40～1500℃
Measuring Medium	various liquid, gas, or steam compatible with 304 or 316L stainless steel
Accuracy	±0.5%FS
Long-term Stability	±0.2%FS/year
Insertion Depth	customization
Installment Thread	customization
Operation Temperature	-30～85℃(normal type); -20～60℃(Explosion-proof type)
Storage Temperature	-30～85℃
Supply Voltage	24VDC
Output Signal	2-wire 4～20mADC，3-wire voltage , 3-wire PT100 or RS485 etc
Protection Grade	IP65
Electrical Connection	Cable gland with terminals inside shell
Explosion-proof	Exd Ⅱ CT6 Gb

Structure Drawings (Unit: mm)

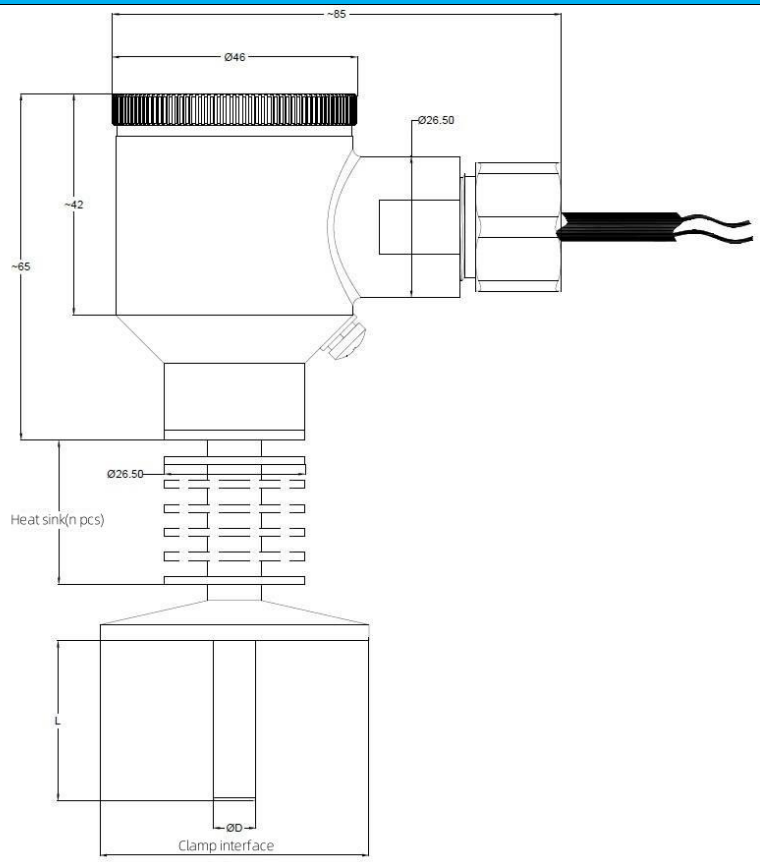
Flang installation



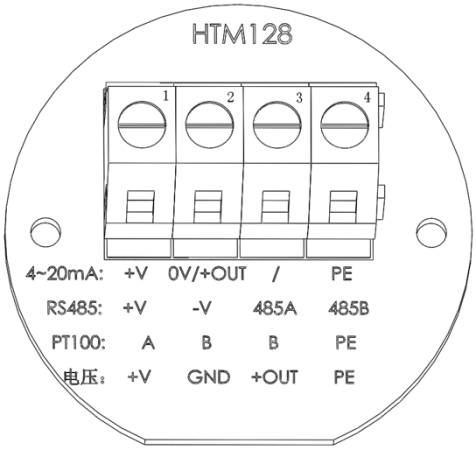
Threaded installation



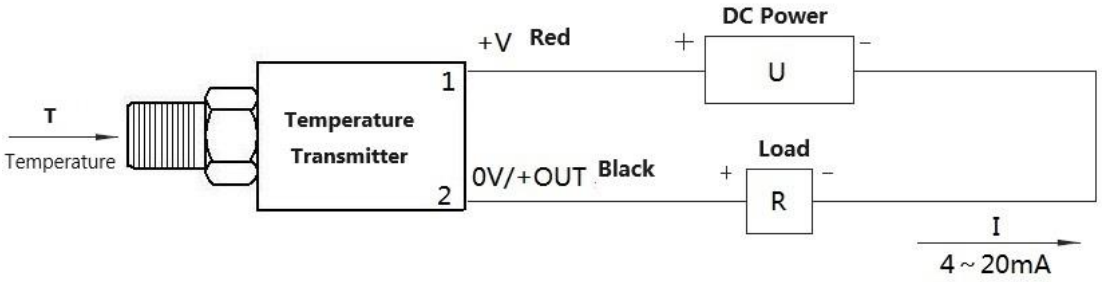
Clamp installation



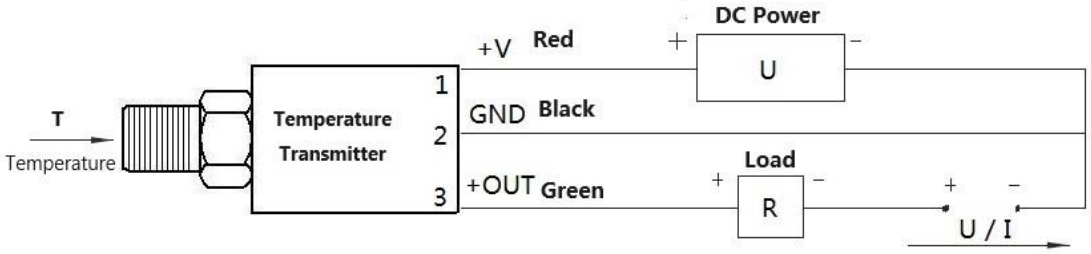
Electrical Connection



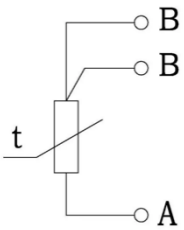
Terminal	4 ~ 20mA	RS485	PT100	3-wire voltage
1	Power supply+(+V)	Power supply+(+V)	A	Power supply+(+V)
2	Power supply-(0V/+OUT)	Power supply-(-V)	B	Common (GND)
3		485A	B	Output+(+OUT)
4	GND(PE)	485B	GND(PE)	GND(PE)



2-wire 4~20mA output



3-wire voltage output



3-wire PT100

Ordering Guide

Model	Type						
HTM128	temperature transmitter						
	Code	Installation					
	LW	Threaded installation					
	FL	Flange installation					
	KP	Clamp installation					
		Range	Measuring Range				
		(X1 ~ X2) ℃	fill X1 X2 directly				
			Code	Output singnal			
			B1	(4 ~ 20)mA			
			B3	(0 ~ 10)V			
			B7	RS485			
			PT100	3-wire PT100			
				Code	Process Connection		
				P1	M20×1.5		
				P4	G1/2		
				P17	M27×2		
				K1	1.5" clamp		
				K2	2" clamp		
				F20	DN20		
				F50	DN50		
					Code	Electronical Connection	
					C9	Cable gland with ternimals inside shell	
						Code	Sensor type
						1	PT100
						2	PT1000
							Code / Others
							L / Insertion depth(mm)
							n / Numbers of heat sink
							ϕ / ϕ=Protection tube diameter(mm)
							Others requests
eg: HTM128	LW	(0~100) ℃	B1	P1	C9	1	L=30 n=6 ϕ=8

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