



Model: HTM108 compact temperature transmitter

Manufacturer: Nanjing Hangjia Electronic Technology Co., Ltd.

Product category: Temperature transmitter

Application: On-site temperature measurement and control in industrial processes such as petroleum, chemical industry, metallurgy, electric power, hydrology, etc.

Overview

HTM108 compact temperature transmitter uses PT100 or thermocouple as the signal measurement element. 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.

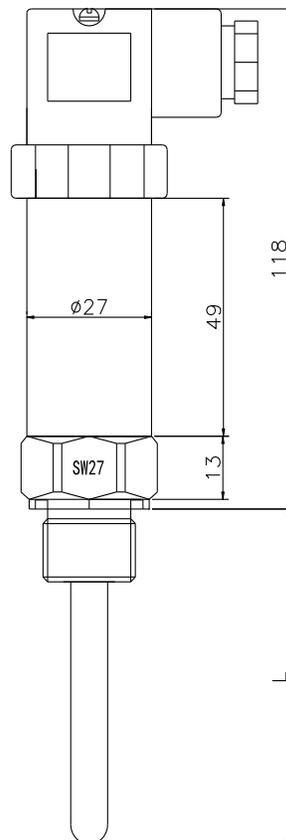
Features

- ◆ Shell protection grade IP65
- ◆ The material in contact with the medium is stainless steel, which has good corrosion resistance.
- ◆ Suitable for temperature measurement of fluid media, long-term stable operation
- ◆ Impact resistance, vibration resistance, corrosion resistance

Technical Parameters

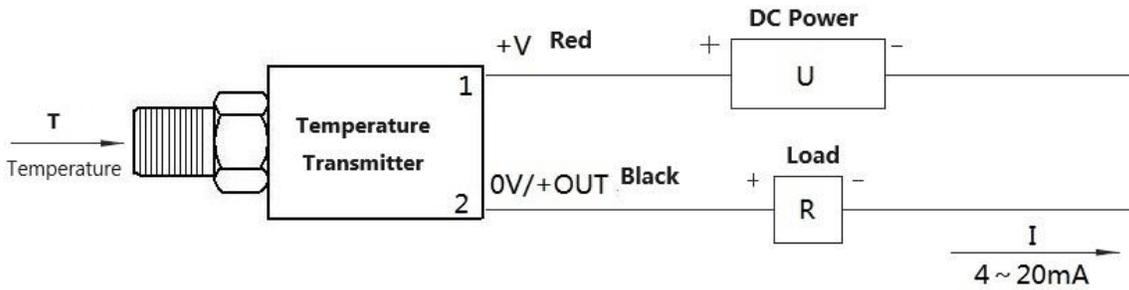
Measuring Temperature Range	-40~1500℃
Accuracy	±0.5%FS
Long-term Stability	±0.2%FS/year
Insertion Depth	customization
Installment Thread	customization
Operation Temperature	-30~70℃
Storage Temperature	-30~85℃
Supply Voltage	24VDC
Output Signal	2-wire 4~20mADC, 3-wire voltage output, etc.
Protection Grade	IP67
Electrical Connection	DIN43650 and Cable Output, etc.

Structure Drawings (Unit: mm)

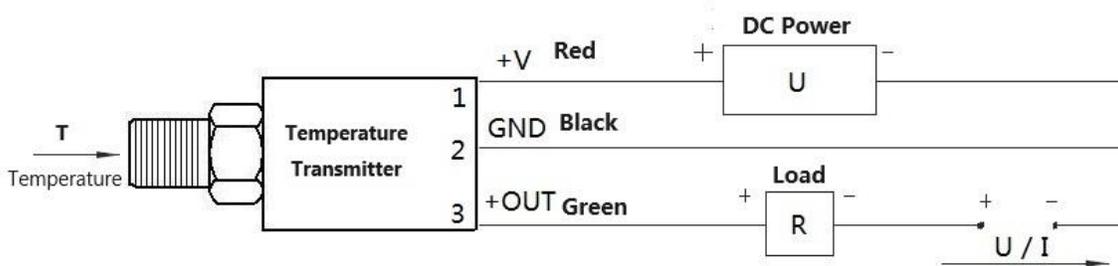


Electrical Connection

DIN43650	Wire Color	2-Wire 4~20mA output	3-Wire Voltage output
1	Red	Power+ (+V)	Power+ (+V)
2	Black	Power- (0V/+OUT)	Common Port (GND)
3	Blue	-	Output+ (+OUT)



2-Wire 4~20mA output



3-Wire Voltage output

Ordering Guide

Code	Type						
HTM108	HTM108 Compact temperature transmitter						
	Range (0 - X) °C	Measuring Range Please fill X directly					
		Code	Output Signal				
		B1	(4 - 20)mA				
		B3	(0 - 10)V				
		B7	RS485				
		B8	HART				
		Code	Installation				
		1	No fixtures				
		2	Fixed thread				
		3	Movable flange				
		4	Fixed flange				
		5	Movable thread				
		6	Clamp				
		Code	Process Connection				
		P1	M20×1.5				
		P4	G1/2				
		P17	M27×2				
		P22	M16×1.5				
		F20	DN20				
		F50	DN50				
		Code	Electronic Connection				
		C1	DIN43650				
		C2	Cable outlet				
		Code	Sensor type				
		P	PT100				
		K	K index thermocouple				
		S	S index thermocouple				
		Code	Others				
		I	I=Insertion depth(mm)				
		L	L=Total length of protective tube(mm)				
		φ	φ=Protection tube diameter(mm)				
		F	Special anti-corrosion requirements				
HTM108	(0-100) °C	B1	2	P1	C1	P	L=75 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