HTM228 Protective Temperature Transmitter

Datasheet



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Introduction

HTM228 protected temperature transmitter uses PT100 and thermocouples as measuring elements. The amplifier circuit is located in the protected housing to convert sensor signals into standard signals.The whole product has undergone strict testing and aging of components, semi-finished products and finished products.With its excellent reliability, wide adaptability, flexibility and diversity, the product is widely used in the field temperature measurement and control of petroleum, chemical, metallurgy, electric power, hydrology and other industrial processes.

Application: oil, chemical, metallurgy, electric power, hydrology and other industrial process field temperature measurement and control.

Features

.High cost performance

.Enclosure protection class IP65

.The material in contact with the medium is stainless steel with good corrosion resistance

.Suitable for temperature measurement of fluid medium, long term stable operation

.Shock resistance, shock resistance, corrosion resistance.

Technical Parameters

Temperature Range: -40 ~ 1500℃ Accuracy: ± 0.5% FS

Long-term Stability: ±0.2%FS/ year

Depth of Insertion: customization

Mounting Thread: customization

Ambient Temperature: -30 ~ 70℃

Storage Temperature: -30 ~ 85℃

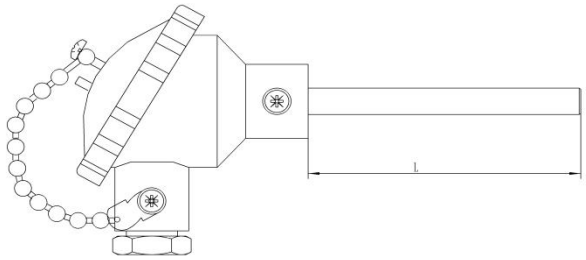
Power Supply: 24VDC

Output Signal: Two wire 4~20mADC

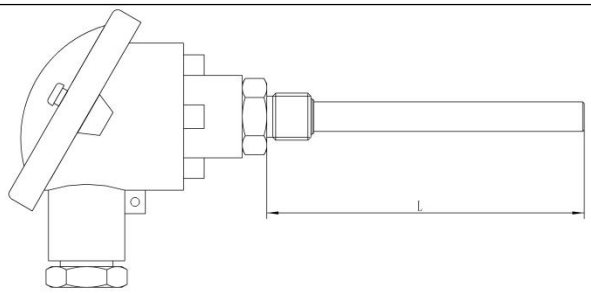
Shell Protection: IP65

Electrical Connection: Cable Outlet,M12 connector

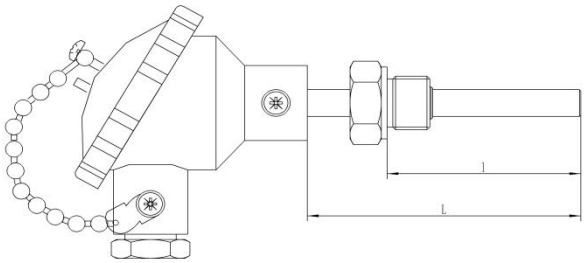
Structure Drawings (unit:mm)



No fixing Device

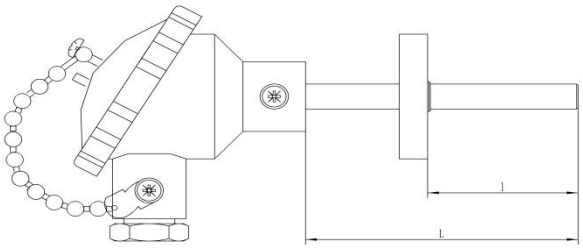


Fixed thread



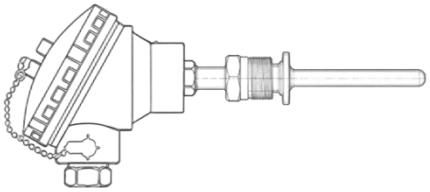
Fixed thread,with cold length

I=Insertion Length

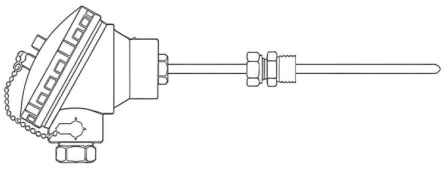


Fixed Flange

I=Insertion Length



Movable Thread Type 1



Movable Thread Type 2 (Adjustable)

Electrical Connection

Cable outlet type

Terminal	Two Wire Current
+	Power+（+V）
-	Power-（0V/+OUT）

Ordering Guide

Item NO.	Type							
HTM228	Protected Temperature Transmitter							
	Temperature Range	Measuring Range						
	(0～X) ℃	Fill out X directly						
		Code	Output Signal					
		B1	(4～20)mA					
		B7	RS485					
		B8	HART					
			Code	Installing Form				
			1	No Fixing				
			2	Fixed Thread				
			3	Moving Flange				
			4	Fixed Flange				
			5	MovableThread				
			6	Tri -Clamp				
				Code	Thread Spec			
				P1	M20×1.5			
				P4	G1/2			
				P17	M27×2			
				P22	M16×1.5			
				F20	DN20			
				F50	DN50			
					Code	Electrical Connection		
					C2	Cable Output		
						Code	Sensor Type	
						P	PT100	
						K	K Graduation Thermocouple	
						S	S Graduation Thermocouple	
							Code	Additional Functions
							l	l=Insertion Depth(mm)
							L	L=Length of Protective Tube(mm)
							ϕ	ϕ=Diameter of Protective Tube(mm)
							F	Special Anticorrosion Requirement
HTM228	(0~100) ℃	B1	2	P1	C2	P	L=150 ϕ=12	