

HTS200 Series High Performance Temperature Sensor



HTS201
(Smart Integrated Type)

Characters:

- ☆ Simple installation and multifarious-temp scope
- ☆ Gas and liquid medium available
- ☆ Medium compatible 316L stainless steel
- ☆ Excellent long time stability and lower consumption
- ☆ Smaller dimension and Compact structure
- ☆ Response fast and high accuracy
- ☆ Various linear analog signal output optional
- ☆ Highly-efficient RFI & EMI resistance
- ☆ Automotive compensation digital circuits
- ☆ And so on

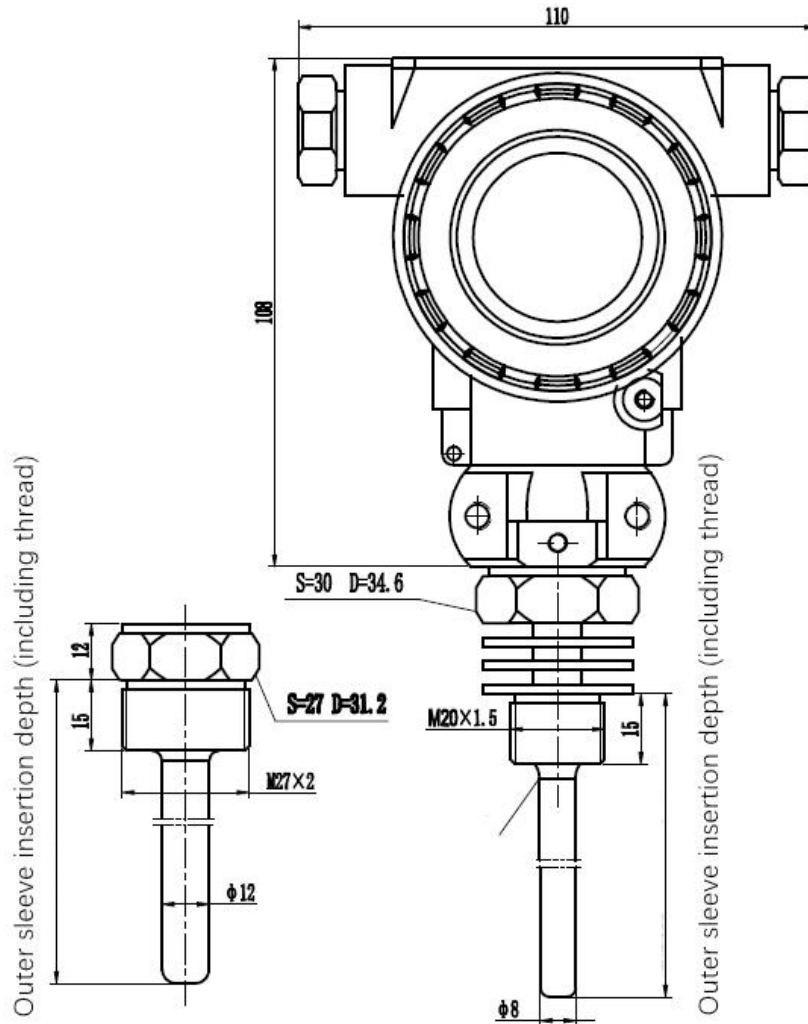
Applications:

- ★ pipeline and ventilation system
- ★ Hydraulic and pneumatic system
- ★ Petrochemical industry
- ★ Hydraulic and pneumatic systems
- ★ Cooling system
- ★ Heating system
- ★ Air Conditioning System (HAVC)
- ★ Automatic system temperature measurement and control
- ★ Agricultural Greenhouses application
- ★ And so on

I . Specifications:

Model:	HTS201
Parameter:	
Measurement Range (Degree C/ °C):	-50~0; -50~50; 0~80; 0~100; 0~120; 0~150; 0~200; 0~250; 0~300 optional
Installation Type:	Insert type
Probe length:	50 mm or customized
Probe Dimension:	Φ8
Sensor Type:	PT100; Pt1000
Signal Output:	4-20 mA + HART or 4-20 mA +RS485 optional
Signal wires type:	2 to 4 wires
Power supply:	24Vdc
Accuracy	0.5%F.S.
Working pressure:	40Bar (standard); 300 Bar (customized)
Long time stability:	0.1%F.S.
Response time:	T=50 2.3S; T=90 5.4S
Electronic proof:	Reverse polarity protection; Overload voltage protection (standard); surge protection (customized)
Environment temp:	-40~85 Degree C
Storage temp:	-40~125 Degree C
Materials of housing:	Cast iron
Materials of process:	304 stainless steel (Typical), 316L Stainless Steel (customized)
Water proof grade:	IP67
Explosion Proof:	Yes
Display Units:	LED Indicator Local Display Temp and Panel with 3 keys for Zero and Span setting

II. Dimension and Drawing:



III. Model Code Selection Table:

HTS	High Performance Temperature Transmitter											
	201	Smart Temperature Transmitter										
		Range Code	Temp range		Ref.		Range code	Temp range		Ref.		
		01	-50~0		101/102/104		06	0~200		101/102/104		
		02	-50~+50		101/102/104		07	0~250		101/102/104		
		03	0~80		101/102/104		08	0~300		103/104		
		04	0~100		101/102/104		09	0~400		103/104		
		05	0~150		101/102/104		10	By customized		103/104		
			Code	Accuracy								
			1	0.5%F.S. (standard type)								
				Code	Process connection							
				8	M20x1.5 male				9	G1/2" male		
				6	G1/4" male				3	1/4"NPT male		
				10	1/2"NPT male				X	By customized		
					Code	Signal Output & Power Supply						
					E14	4-20 mA +HART						
					E19	4-20 mA + RS485 MODBUS RTU						
					X	By Customized						
						Code	Electronic Connection					
						M20	M20*1.5 Female					
						X	By Customized					
							Code	Probe Length (mm)				
							050	50 mm				
							XXX	By customized				
								Code	Probe Diameter (mm)			
								6	6 mm			
								8	8 mm			
									Code	Temp Units		
								C	Degree C/ °C			
								F	°F			
									Code	Cable Length (meter)		
									003	3 meters		
									XXX	By Customized		
HTS	201	04	1	2	E14	M20	050	6	C	003	Others Remarks	

Example Model Code: HTS201-04-1-2-E14-M20-050-6-C-003(3 Meters cable)