

HTM708 Hygienic Temperature Transmitter



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Product Overview

HTM708 hygienic temperature transmitter adopts an all-stainless steel structure design and is mounted on a chuck. It is a hygienic temperature transmitter dedicated to the food, pharmaceutical and other industries. The product design complies with GMP, EHEDG and FDA standards. This product uses PT100 etc. as the signal measurement element, and the amplification circuit is located in the stainless-steel shell to convert the sensor signal into a (4~20) mA current signal or another 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 food, pharmaceuticals, environmental protection, machinery, and chemicals.

Application: On-site temperature measurement and control of industrial processes such as food, pharmaceutical, environmental protection, machinery, chemical industry, etc.

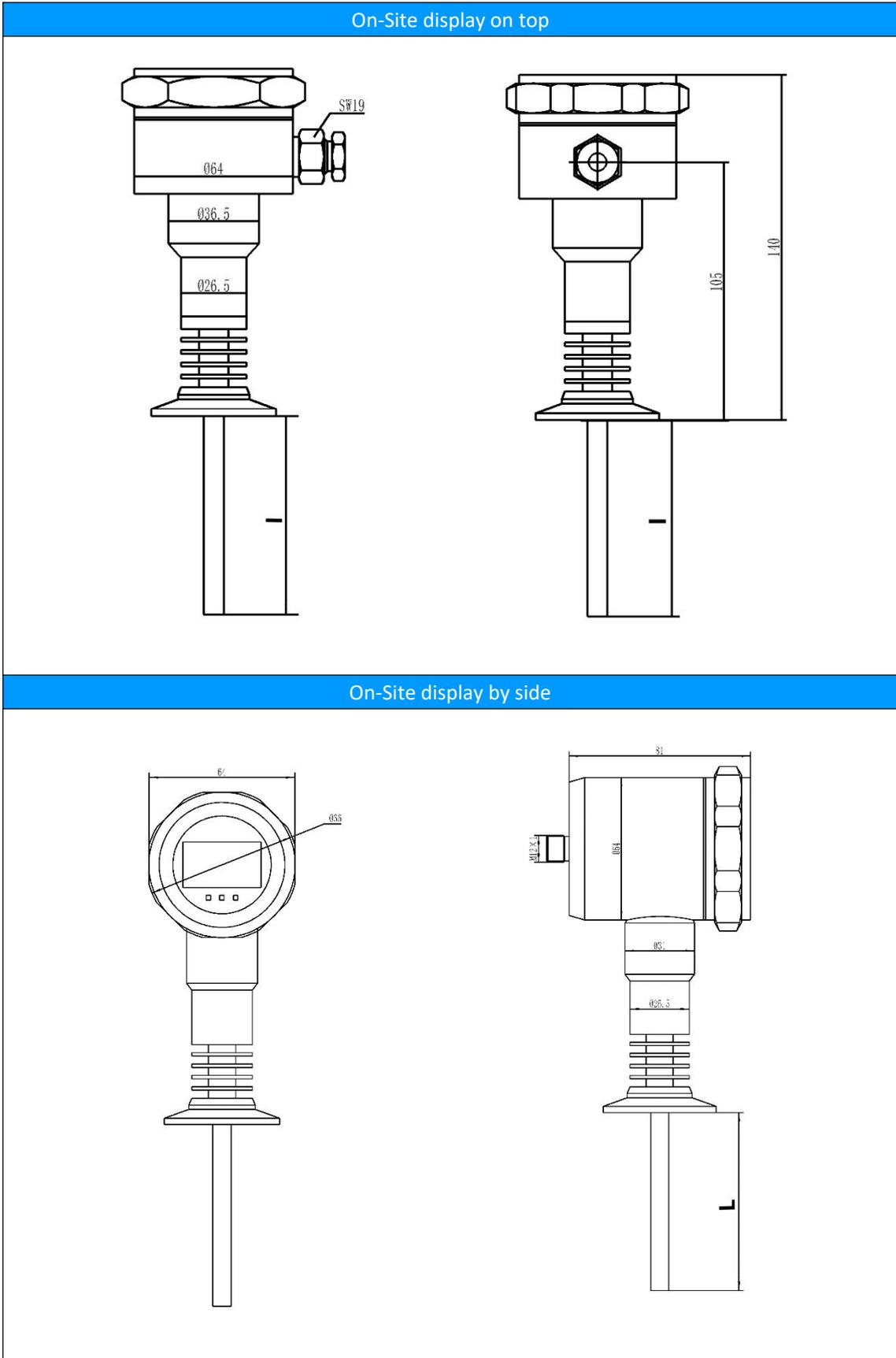
Features

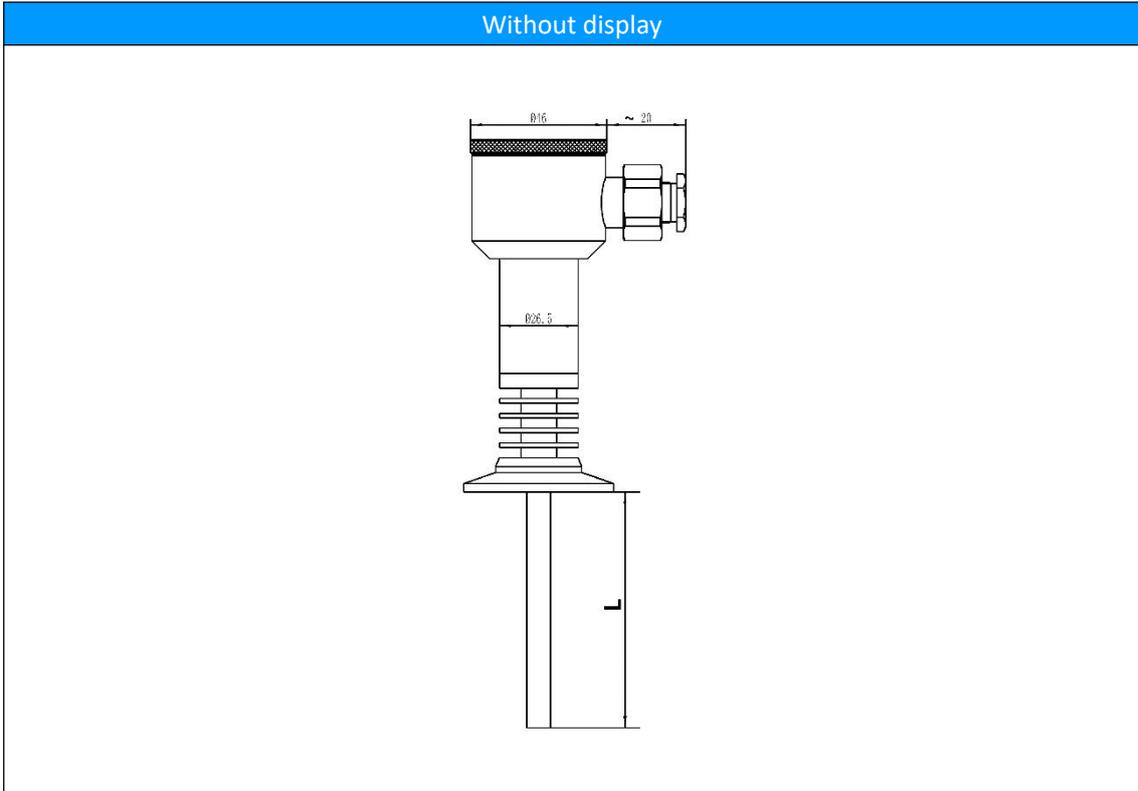
- ◆ Hygienic design, compliant with GMP, EHEDG and FDA standards
- ◆ All stainless steel 316L structure, no sanitary dead corners
- ◆ Standard chuck installation, easy to install and clean
- ◆ On-site display
- ◆ Isolated circuit design, strong anti-interference ability

Technical Parameters

Measuring Temperature Range	-40~300℃
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	-40~85℃
Storage Temperature	-40~85℃
Supply Voltage	24VDC
Output Signal	2-wire 4~20mADC, RS485 or HART
Protection Grade	IP65
Electrical Connection	Cables, site display, Circular Connector, etc

Structure Drawings (Unit: mm)

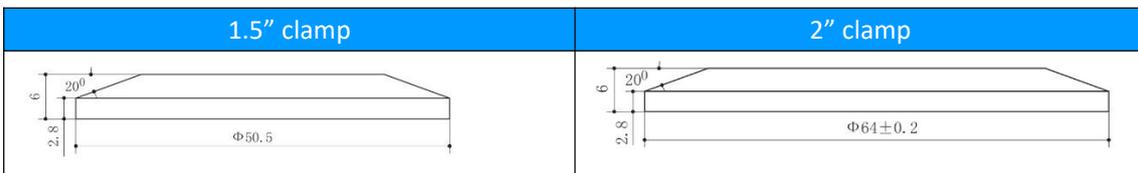




Electrical Connection

Terminal	M12×1	Cable outlet	2-wire 4~20mA output
+	1	Red	Power supply+ (+V)
-	2	Black	Power supply- (0V/+OUT)
others	3	/	/

Process Connection



Ordering Guide

Model	Type					
HTM708	hygienic temperature transmitter					
	Range	Measuring Range				
	(0 ~ X) °C	fill X directly				
		Code	Output signal			
		B1	(4 ~ 20)mA			
		B7	RS485			
		B8	HART			
		Code	Process Connection			
		K1	1.5" clamp			
		K2	2" clamp			
		Code	Electrical Connection			
		C2	Cables			
		C5	M12×1			
		Code	Sensor type			
		P	PT100			
		Code	Others			
		I	I=insertion depth(mm)			
		L	L=Total length of protective tube(mm)			
		φ	φ=Protection tube diameter(mm)			
		Y1	Stainless steel waterproof case, without site display			
		Y6	site display on top			
		Y7	site display by side			
		F	Other requests			
HTM708	(0~200) °C	B1	K1	C2	P	I=100 L=150 φ=8