

HPM27 anti-corrosive pressure transmitter



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Overview

HPM27 Anti-corrosive Pressure Transmitter adopts high anti-corrosive sensitive core, and with high accurate electric element, to be assembled through strict craft process. This product has strong anti-corrosive and anti-wearing functions, which perfectly solves the problem of pressure measuring for strong corrosive and low corrosive air or liquid in the domestic special occasions.

Features

- .Tantalum diaphragm or ceramic core, strong anti-corrosion function
- .Impact resistance, vibration resistance and wear resistance
- .Protective shell, ingress protection IP65
- .LCD field display, high accuracy and stability
- .Suitable for various hostile occasions

Technical Parameters

Measuring Medium	Liquid, Gas, Steam which compatible with tantalum/Hastelloy C or ceramic AL2O3
Pressure Range	-100kPa...0~10kPa...5MPa
Overload	1.5 times pressure range of full scale
Pressure Type	Gauge, Absolute or Sealed Gauge
Accuracy	±0.2%FS(Representative), ±0.5%FS(Maximum)
Long-term Stability	±0.1%FS/year(Representative), ±0.2%FS(Maximum)
Temperature Coefficient of Zero	±0.03%FS/°C (Reference 25°C)
Temperature Coefficient of Full Scale	±0.03%FS/°C (Reference 25°C)
Working Temp	-30~85°C

Storage Temp	-40~120℃
Supply Voltage	24VDC
Output Signal	4~20mADC
Ingress Protection of Shell	IP65
Electrical Connection	Dedicated shield cable 1.5 meters

Structure Material

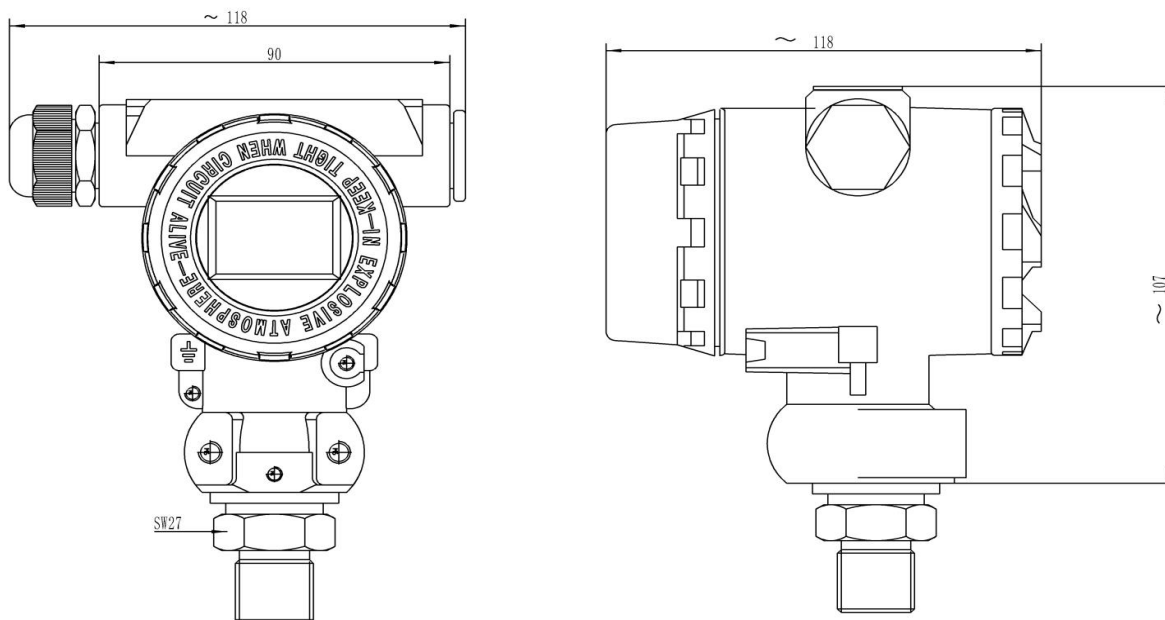
Shell: aluminum alloy

Pressure interface: PP,PVDF or PTFE

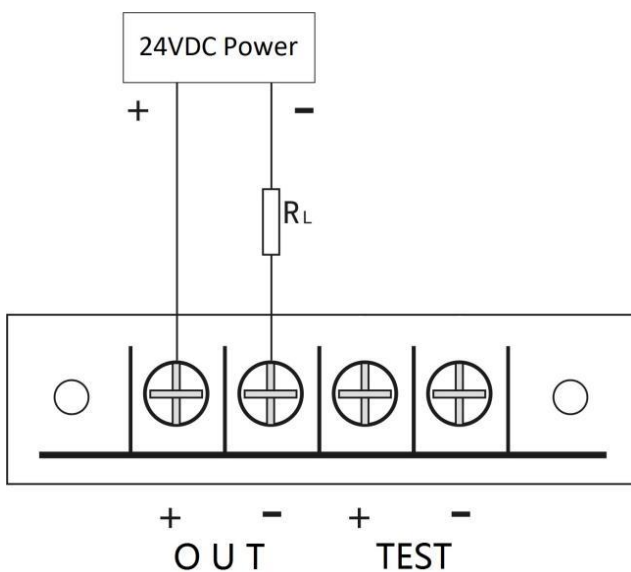
Diaphragm: tantalum/hastelloy C, ceramic AL2O3

O-ring: fluoro rubber

Structure Drawings



Electrical Connection

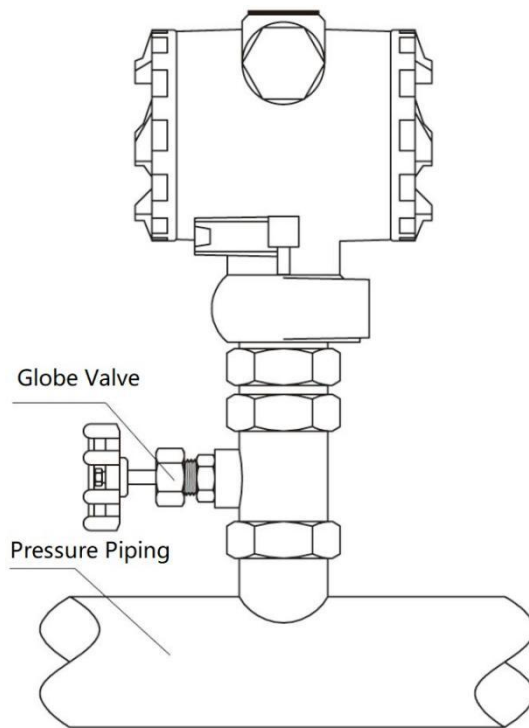


Pressure Port

M20×1.5	G1/2

Installation Diagram

The pressure transmitter can be installed directly on the pressure pipe or with the installation bracket.



Ordering Guide

Item NO.	Type						
HPM27	Anti-corrosive Pressure Transmitter						
	Pressure Range	Measuring Range					
	(0~X)kPa	Fill out X directly					
		Code	Output Signal				
		B1	(4~20)mA				
			Code	Thread Spec			
			P1	M20×1.5			
			P4	G1/2			
				Code	Electrical Connection		
				C9	Cable Gland		
					Code	Structure&Material	
					Sensor	Shell Material	
		M3	Tantalum/Hastelloy C		Customized		
		M5	Ceramic AL ₂ O ₃		Customized		
			Code		Additional Functions		
			G		Gauge Pressure（Default）		
			A	Absolute Pressure			
			S	Sealed Gauge Pressure			
			v	Fluororubber O-Ring（Default）			
			PP	PP shell			
			FE	PTFE shell			
			DF	PVDF shell			
	S6	316L shell					
	HC	Hastelloy C shell					
	HPM27	(0~400)kPa	B1	P1	C9	M3	G v PP

Tips for Type Selection

1. According to the corrosive conditions of the medium, choose the appropriate sensor material and the material of the pressurized shell
2. For other special requirements, please contact us and indicate in the order.