

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°C
Supply Voltage	24VDC
Output Signal	4~20mA DC
Ingress Protection of Shell	IP65
Electrical Connection	Dedicated shield cable 1.5 meters

Structure Material

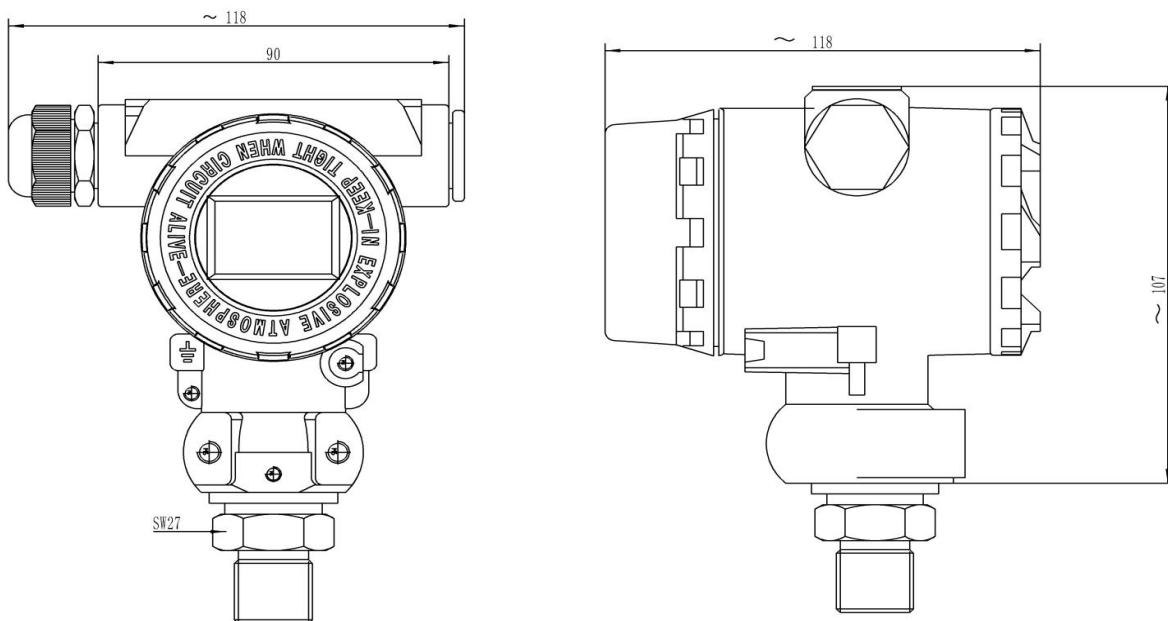
Shell: aluminum alloy

Pressure interface: PP,PVDF or PTFE

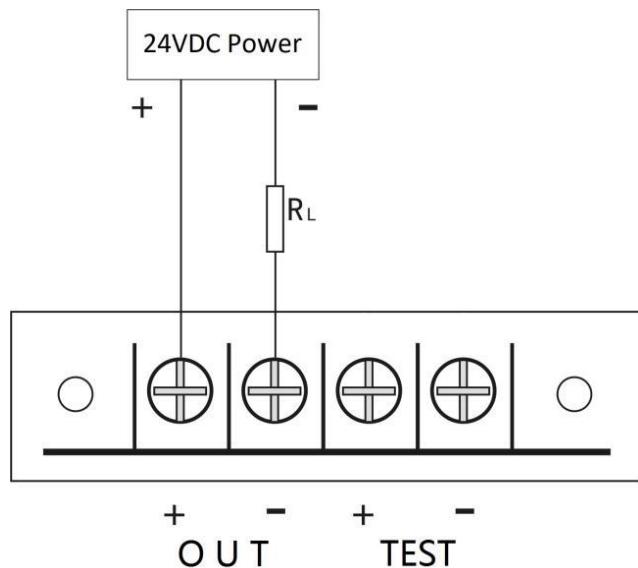
Diaphragm: tantalum/hastelloy C, ceramic AL2O3

O-ring: fluoro rubber

Structure Drawings



Electrical Connection

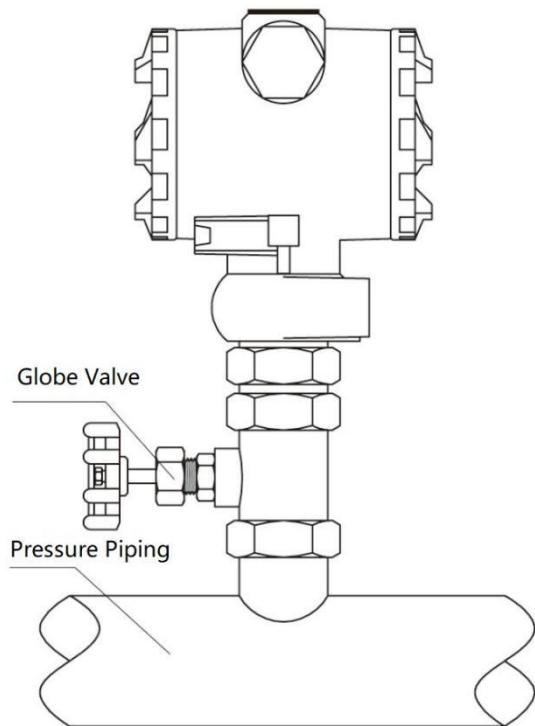


Pressure Port

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	M20x 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.