

PT20SR-3489B Pressure Transmitter

Features

- Reliable performance, easy installation and using
- Multi-protection, good resistance of EMI
- Over-current protection, good compatibility
- Short circuit and reverse signal polarity protection
- Zero, span adjustable
- Measure gauge, absolute and sealed gauge



Introduction

MPM489B pressure transmitter is designed especially for pressure measure and control of petroleum, chemi-industry, water conservancy and electricity, etc. The product has good performance and stability, good resistance of EMI, and protection for instantaneous high pressure and surge interfere which is produced by thunder, noise and sharp pulse, etc. The product could work reliably and stably in rough environment for a long time.

Specification

Pressure range: -0.1MPa...0 MPa~0.01 MPa~100MPa

Media: the liquid or gas which is compatible with stainless steel 1Cr18Ni9Ti

Power supply: 11V~28VDC

Output signal: 4mA~20mADC, 2-wire

Load: $R \leq (U-11)/0.02 \Omega$

Accuracy: 0.5%FS

Thermal error: 0.03%FS/°C ($\leq 100\text{kPa}$), 0.02%FS/% ($> 100\text{kPa}$)

Overpressure: 1.5 times FS or 110MPa (min. value is valid)

Environment temp. : -30°C~+80°C

Media temp.: -40°C~+80°C

Storage temp.: -40°C~+85°C

Shock: 3-dimensional 10g /frequency 50Hz/ swing1mm,zero and span change $<0.3\%$ FS

Impact: 100g/20ms,zero and span change $<0.3\%$ FS

Humidity: 0%RH~90%RH

Protection: IP65

Frequency response: >1kHz

Endurance: 10^6 pressure cycles

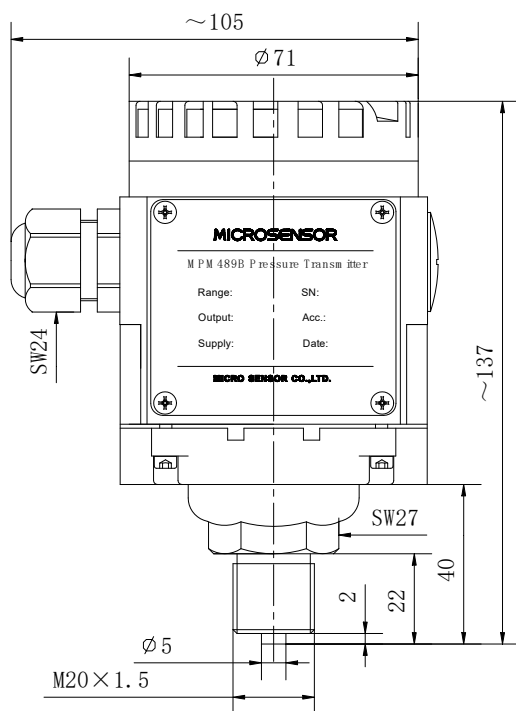
Construction and Outline Dimension

Housing: Aluminum-casting

Sensor housing: stainless steel 1Cr18Ni9Ti

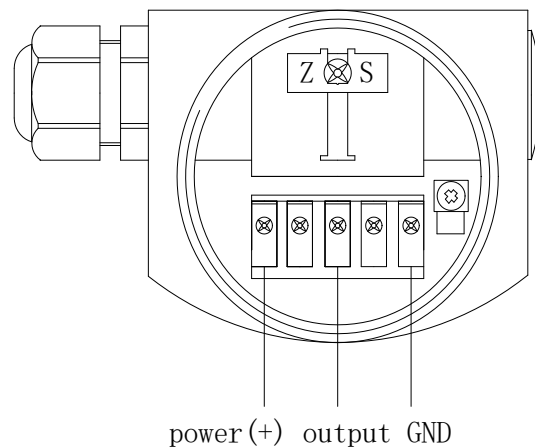
Diaphragm: stainless steel 316L

O-ring: Viton Outline dimension: (Unit: mm)



PT20SR-3489B Electric Connection

Connection socket	2-wire
Power(+)	+V
Output	OV/ +OUT



Note: Terminal "GND" should connect with shield wire of the cable, and the shield wire should be grounding reliably; or connect "GND" with housing terminal.

Order Guide

PT20SR-3489B	Pressure Transmitter				
	Range	Pressure range: -0.1MPa...0MPa~0.01MPa...100MPa			
	[0~X]kPa or MPa	X:Actual measurement range			
		Code	Output		
		E	4mA~20mADC		
		Code	Construction material		
			Diaphragm	Pressure port	Housing
		22	SS 316L	SS	SS
		25	Tantalum	SS	SS
			Code	Others	
			C ₁	M20×1.5 male, face type seal	
			C ₃	G1/2 male (used for flush diaphragm type)	
			C ₅	M20×1.5 male, waterline seal	
			G	Gauge	
			S	Sealed gauge	
			A	Absolute	
PT20SR-3489B	[0~1000] kPa	E	22	C ₁ G	The whole spec

Notes

1. Please pay attention the media should be compatible with product parts which contact with the media;
2. The pressure port is optional due to the users' demands, please inform that in the order;
3. If the users have any special requirement, please feel free to let us know.