

MPM489W Level Transmitter

Features

- Integrated construction, unnecessary to do outer adjustment
- sensor housing protection IP68, connection box protection IP65;
- Cost-efficient, high reliability and stability;
- RoHS approved
- Explosion-proof product conforms to Exia II CT6 of Standard



Introduction

MPM489W is full sealed submersible level transmitter. It is made by building in high stable and reliable OEM piezo-resistive pressure sensor and high accurate circuit board into the stainless steel housing. Integrated construction and standard signal provide the user easy and convenient application in the local working place. The special cable connects with housing, can be immersed into the media for a long time.

MPM489W level transmitter has compact size, light weight and good stability; it can be used for water or liquid measure and control of medicine, metallurgy, electricity, mine, city water supply and drainage and hydrology, etc.

Specification

- Range (FS) : 1 2 5 10 20 50 100 200mH₂O
- Overpressure: 2 times FS
- Accuracy: 0.5%FS
- Stability: range>20mH₂O, ±0.2%FS/年
range≤20mH₂O, 20mmH₂O
- Thermal drift: zero span
range>10mH₂O 0.02%FS/°C 0.05%FS/°C
range≤10mH₂O 0.05%FS/°C 0.05%FS/°C
- Application temp. range: -10~80°C;
- Storage temp. range: -40~100°C
- Power supply: 11~28VDC
- Output signal: 4~20mADC(2-wire)
- Load (Ω): <(U-11)/0.02

Construction Material

Housing: stainless steel 1Cr18Ni9Ti
O-ring: Viton
Rubber casing: NBR

<http://www.microsensor.cn>

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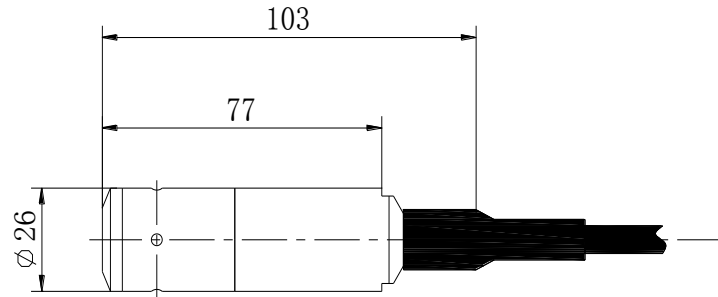
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Cable: $\phi 7.5\text{mm}$ polyethylene cable

Diaphragm: stainless steel 316L

Outline Dimension



Electric Connection

Wire color	Connection
Black	+V
Red	0V/+OUT

Order Guide

MPM489W	Level Transmitter				
	Range	Pressure range: 0~1...200mH ₂ O			
	[0~XmH ₂ O] L	X: actual measurement range L: cable length suggested L-X= (1~2) m			
		Code	Output signal		
		E	4~20mADC		
			Construction material		
		Code	Diaphragm	Port	Housing
		22	SS 316L	SS	SS
		24	SS 316L	SS 316L	SS 316L
		25	Tantalum	SS	SS
			Code	Others	
			M ₁	0~100% indicator	
			Yb	Aluminum connection box without display	
			Yc	MS200 water-proof connection box (default)	
			Yd	PD140 lightning-proof protection device	
			Ye	connection box(with display or without display)	
			i	Intrinsic safe version Exia II CT6	
			C ₁	M20×1.5 male	
			C ₃	G1/2 male	
			F ₁	Fixed flange	
MPM489W	[0~2mH ₂ O]5	E	22	Yc	the whole spec

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Order Note:

1. Please pay attention that the media should be compatible with the contacted parts; please inform the density of the media (except water);
2. Two kinds of cable are optional, polyurethane and polyethylene. The default is polyethylene. Polyurethane cable is more flexible and endurable; it can be selected due to the requirement;
3. When the product is used in thunder storm area, we suggest the user to use protection device to protect the product and power grounding reliably;
4. For special requirement, please feel free to contact us.