

MPM489W Level Transmitter

Brief 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.



Features

- Integrated construction, unnecessary to do outer adjustment
- sensor housing protection IP68, connection box protection IP65;
- Cost-efficient, high reliability and stability;
- RoHS approved

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
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: 12~28VDC
- Output signal: 4~20mADC(2-wire)
- Load (Ω): <(U_v-12)/0.02

Construction Material

Housing: stainless steel 1Cr18Ni9Ti

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O-ring: Viton

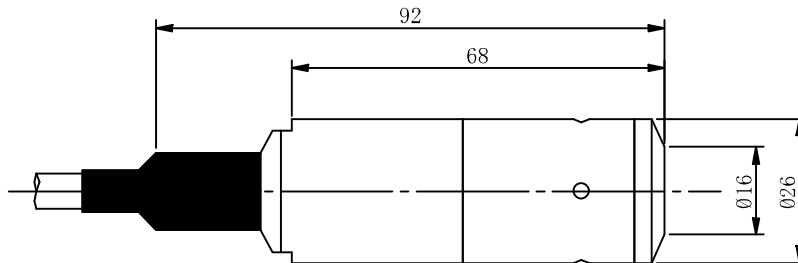
Rubber casing: NBR

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

Diaphragm: stainless steel 316L

Connection box: Aluminum-casting (ZL102) (optional)

Outline Dimension



Order Information

MPM489W	Level Transmitter				
	Range	[0~XmH ₂ O] L(L=cable length), we suggested L-X =(1~2)m			
		Code	Output signal		
		E	4~20mADC		
		Code	Construction material		
			Diaphragm Port Housing		
		22	316L SS SS SS		
		25	Tantalum SS SS		
		Code	Others		
		M ₁	0~100% indicator		
		Y	Connection box		
		C ₁	M20×1.5 male		
		C ₃	G1/2 male		
		F ₁	Fixed flange		
MPM489W	[0~3mH ₂ O]5	E	22	Y	the whole spec

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

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cable is more flexible and durable; 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. At standard condition, ($@4^{\circ}\text{C}$, $g=9.80665\text{ m/s}^2$)

$$1\text{mH}_2\text{O} = 0.1\text{kgf/cm}^2 = 9.80665\text{kPa}$$

5. For special requirement, please feel free to contact us.