



Features

- Integrated construction,
- IP68 Protection for sensor housing, IP65 for connection box
- Cost-efficient, high reliability and stability

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 put 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 good stability; it can be used for water or liquid measure and control of storm/rainwater, metallurgy, mines, water supply and drainage, hydrology etc.

Specification

Range(FS)	2m, 5m, 10m, 20m, 50 mH ₂ O		
Overpressure	2.0 times FS		
Accuracy	±0.5%FS		
Stability	range>10mH ₂ O, ±0.2%FS/year range≤10mH ₂ O, ±20mmH ₂ O		
Thermal drift		zero	span
	range>10mH ₂ O	±0.02%FS/°C	±0.05%FS/°C
	range≤10mH ₂ O	±0.05%FS/°C	±0.05%FS/°C
Application temp.	-10°C ~80°C		
Storage temp.	-40°C ~100°C		
Power supply	12V~28VDC		
Output signal	4mA~20mADC (2-wire)		
Load	≤(U-11) / 0.02Ω		

Construction Material

- Cap: stainless steel 316L
- Sensor housing: stainless steel 316L
- Diaphragm: stainless steel 316L
- O-ring: Viton
- Housing: PA
- Cable: φ7.5mm polyurethane cable

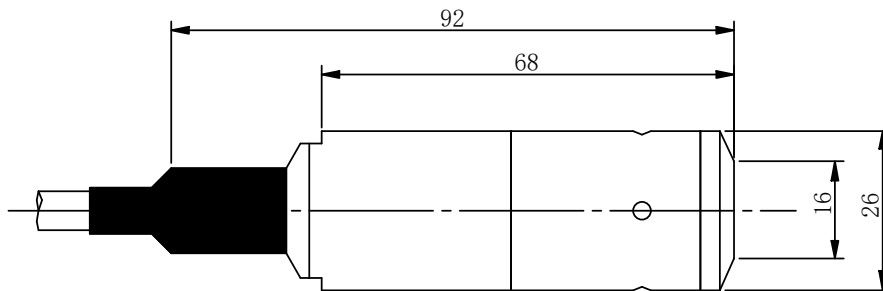


LiquiLevel HYDROSTATIC LEVEL TRANSMITTER

Construction Material

- Housing: stainless steel 1Cr18Ni9Ti
- O-ring: Viton
- Rubber casing: NBR
- Cable: $\phi 7.5\text{mm}$ polyethylene cable
- Diaphragm: stainless steel 316L

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 (2-wire)		
		F	1~5VDC (3-wire)		
		Code	Construction material		
			Diaphragm Port Housing		
		22	316L SS SS SS		
		24	316L SS 316L SS 316L SS		
		Code	Others		
		Yb	Aluminum box without display (explosion-proof)		
		Yc	MS200 water-proof connection box (suggested)		
		Yd	PD140 lightning-proof protection device		
		i	Intrinsic safe version Exia II CT6		
		C ₃	G1/2 male		
		T	Ship-use		
		F ₁	Fixed flange		
MPM489W	[0~3mH ₂ O]5	E	22	Y	the whole spec

Note:

- Pay attention that the media should be compatible with the contacted parts. Please inform the density of the media (except water)
- Option of 2 types of cable are optional. Polyurethane and Polyethylene. The standard cable is Polyurethane as this material is more durable and flexible, Please choose cable when ordering.
- When product is used in thunder storm area, we recommend the user to use a protection device to protect the product and power grounding (Earth)