

MPM4893W Level Transmitter



Features

- Integrated construction, unnecessary to do outer adjustment
- IP68 Protection for sensor housing, IP65 for connection box
- Cost-efficient, high reliability and stability

Introduction

MPM4893W 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 low pressure injection molding housing. Integrated construction and standard signal provide the user easy and convenient application in the local working site. The special cable, connected with housing, can be immersed into the media for a long time.

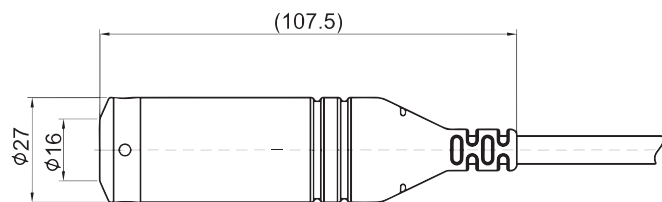
MPM4893W level transmitter has compact size, light weight and good stability; it can be used for water or liquid measurement and control of medicine, metallurgy, electricity, mine, city water supply and drainage and hydrology, etc.

Specification

Range(FS)	2m, 5m, 10m, 20m, 50 mH ₂ O		
Overpressure	1.5 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.	-20°C ~100°C		
Power supply	11V~28VDC		
Output signal	4mA~20mADC (2-wire), 0.5V~4.5VDC (3-wire)		
Load	≤(U-11) / 0.02Ω (2-wire), ≥10k (3-wire)		

Construction Material

- Cap: stainless steel 304
- Sensor housing: stainless steel 316L
- Diaphragm: stainless steel 316L
- O-ring: Viton
- Housing: PA
- Cable: φ7.5mm polyurethane cable

Outline Construction (Unit: mm)**Electrical Connection**

Wire color	2-wire	3-wire
Red	+V	+V
White	Null	+OUT
Black	0V/+OUT	GND

Order Guide

MPM4893W		Level Transmitter			
		Range	Pressure range: 2...50mH ₂ O		
		[0~XmH ₂ O] L	X: actual measurement range L: cable length suggested L-X=(1~2)m		
			Code	Output signal	
			E	4mA~20mA DC	
			K	0.5V~4.5V DC	
			Code	Others	
			Yc	MS200 water-proof connection box (default)	
			Yd	PD140 lightning-proof protection device	
MPM4893W	[0~2mH ₂ O]5	K	Yc	the whole spec	

Notes

1. Please pay attention that the media should be compatible with the contacted parts; please inform the density of the media (except water);
2. 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.