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 ExiaⅡCT6 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 immerged 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 200mH$_2$O

·Overpressure: 2 times FS

·Accuracy: 0.5％FS

·Stability: range＞20mH$_2$O, ±0.2％FS/年

range≤20mH$_2$O, 20mmH$_2$O

·Thermal drift:

	zero	span
range＞10mH$_2$O	0.02％FS/℃	0.05％FS/℃
range≤10mH$_2$O	0.05％FS/℃	0.05％FS/℃

·Application temp. range: −10～80℃；

·Storage temp. range: −40～100℃

·Power supply: 12～28VDC

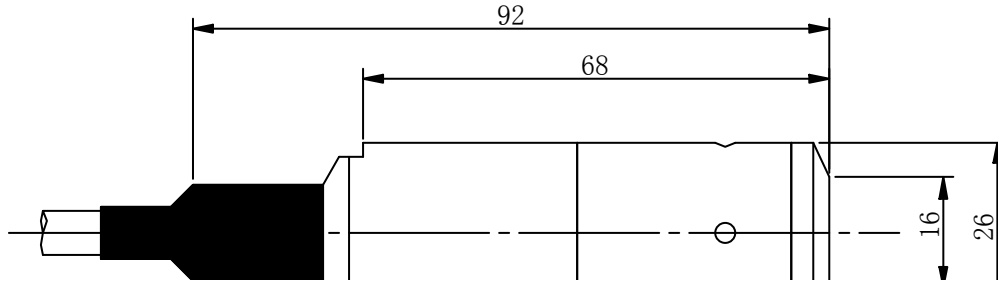·Output signal: 4～20mADC(2-wire)

·Load (Ω): ＜(Uv－12)/0.02

Construction Material

Housing: stainless steel 1Cr18Ni9Ti

O-ring: Viton

Rubber casing: NBR

Cable: φ7.5mm polyethylene cable

Diaphragm: stainless steel 316L

Ourline Dimension

Electric Connection

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

Order Guide

MPM489W	Level Transmitter				
	Range	Pressure range: 0～1···200mH2O			
	[0～XmH₂O] L	X:actual measurement range　　L: cable length　　suggested L-X=（1～2）m			

Code	Output signal
E	4～20mADC

Code	Construction material		
	Diaphragm	Port	Housing
22	SS 316L	SS	SS
24	SS 316L	SS 316L	SS 316L
25	Tantalum	SS	SS

Code	Others
M₁	0～100% indicator
Ya	Aluminum connection box with display
Yb	Aluminum connection box without display
Yc	MS200 water-proof connection box (default)
Yd	PD140 lightening-proof protection device
i	Intrinsic safe version Exia Ⅱ CT6
C₁	M20×1.5 male
C₃	G1/2 male
F₁	Fixed flange

MPM489W	[0～2mH₂O]5	E	22	Yc	the whole spec

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.