

Deepwater Level Transmitter with Temperature and Level Dual Outputs MPM426WS



Applications

- Metallurgical industry
- Power plant
- Mines
- Oil and gas in deep well
- Hydrological exploration

Features

- Temperature and level dual standard outputs
- Reversed-polarity protection
- Suitable for deepwater level and temperature measurement
- Automatic production line for quality guarantee, stable and reliable

Introduction

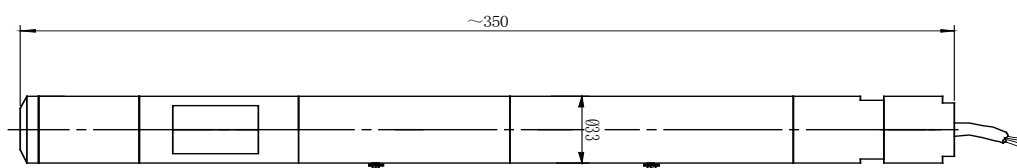
MPM426WS is a full welded, full sealed and submersible diffusion silicon instrument for level and temperature measurement. It uses a high stable and reliable piezo-resistive OEM pressure sensor and a PT1000 temperature sensor with a high-performance signal processing circuit mounted in stainless steel housing. Meanwhile, the product adopts double-way sealing with special rubber rings and the sealing and locking line are separated in order to improve the sealing degree. The cavity is filled with high-vacuum water-resistance and mineral oil-resistance sealing silicone so that the leading-out terminal can be fully sealed and insulated. It is especially suitable for measurement of oil and gas in deep well.

Specifications

Range	0mH ₂ O ~ 350mH ₂ O...2000mH ₂ O -20°C ...0°C ~ 10°C ...80°C;
Overpressure	≤2 times FS or 2200mH ₂ O (minimum value is valid)
Pressure Type	sealed gauge, absolute
Accuracy	±0.5%FS (pressure); ±2°C (temperature)
Zero Thermal Drift	≤ ±0.02% FS/°C
Span Thermal Drift	≤ ±0.05% FS/°C
Long-term Stability	≤ ±0.2% FS/ year
Power Supply	12V~30V DC
Application Temperature	-20°C ~ 80°C
Storage Temperature	-40°C ~ 100°C
Vibration	10g, 55Hz ~ 2000Hz
Shock	100g, 11ms
Protection Rating	IP68
Weight	≤220g

Outline Dimensions

unit: mm



Electrical Connection

Color	2-wire
red	+V
black	0V/+OUT
blue	Tout

Materials

Isolated Diaphragm: SS 316L/Tantalum

Housing: SS 304/SS 316L

Cable: PE/PUR/PVC

Ordering Guide

MPM426WS	Deepwater Level/Temperature Transmitter					
	Range	0mH ₂ O ~ 350mH ₂ O...2000mH ₂ O -20°C ...0°C ~10°C ...80°C				
	[0 ~ XmH ₂ O]	X: measured level, T: measured temperature, L: cable length (unit: m, specified by customers)				
	[0 ~ T°C]L					
	Code	Output Signal				
	E	4mA~20mA DC				
	Code	Material				
		Isolated Diaphragm	Housing			
	22	SS 316L	SS 304			
	24	SS 316L	SS 316L			
	25	Tantalum	SS 304			
	Code	Junction Box				
	null	no junction box				
	Ya	Aluminum junction box with display				
	Yc	MS200 waterproof junction box (recommended)				
	Yd	PD140 lightning-proof junction box				
MPM426WS	[0 ~ 350mH ₂ O]	[0 ~ 60°C]60	E	22	Yc	Complete Type Specification

Ordering Notes

1. Cable material is available for 3 types: PE cable is provided as default; if other material is needed, please specify in the order.
2. The protection rating of junction boxes are IP65
3. The measured media should be compatible with the wetted material and the measured media density needs to be specified (except water) on contract.
4. If the product is installed in a thunderstorm area, a lightning protection device is required and be sure that the product and the power are reliably earthed, which can efficiently prevent the level sensor from lightning damage.
5. If metrology verification certificate is needed or there are other requirements, please contact us and specify it in the order.