



bar

MPM436W

FEATURES

- The submersible part is a fully sealed stainless steel structure, the sensor and amplification circuit are in a stainless steel fully sealed housing, and the protection class is IP68
- The top stainless steel cap is removable, preventing accidental damage to the diaphragm and facilitating regular cleaning
- The measuring range can be as low as 0.5mH₂O and can resist strong pressure shocks

APPLICATIONS

- Petroleum industry
- Chemical engineering
- Power plant
- Urban water supply and drainage
- Hydrological exploration

The product uses high performance pressure sensor as sensing element, which could measure liquid static pressure that is positive proportional to level depth precisely, and transform pressure signal into standard current/voltage signal output by amplifier circuit to measure accurate level depth. The product has high accuracy, compact size, easy installation, can be submersible into the liquid directly to measure level from transmitter bottom to the liquid surface

SPECIFICATIONS

Range	0mH ₂ O ~ 0.5mH ₂ O / 2mH ₂ O
Overpressure	≤10 times FS
Accuracy	±1%FS (0mH ₂ O ~ 0.5mH ₂ O)
	±0.5%FS (0mH ₂ O ~ 2mH ₂ O)
Long-term Stability	±5mmH ₂ O/year
Thermal Drift	≤ ±0.15%FS/10°C
Application Temperature	-20°C ~ 70°C (cable material: PE, PVC)
	-20°C ~ 80°C (cable material: PUR)
Storage Temperature	-20°C ~ 85°C
Protection Rating	IP68
Weight	≤150g



MICROSENSOR

AUTHORIZED DISTRIBUTOR

OUTPUT SIGNALS

Output Signal	Power Supply	Output Format	Load Resistance
4mA~20mA DC (E)	15V~28V DC	2-wire	$\leq (U-15)/0.02 \text{ (}\Omega\text{)}$

ELECTRICAL CONNECTION

Color	2-wire
Red	+V
Black	0V/+OUT

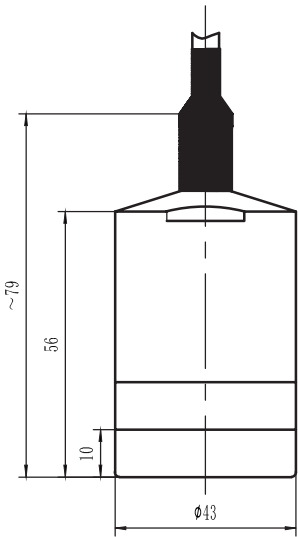
MATERIALS

Isolated Diaphragm: 96% Alumina ceramics

Housing: SS 304

Cable: PE/PUR/PVC

OUTLINE CONSTRUCTION (UNIT:mm)



ORDER GUIDE

MPM436W		Level Transmitter								
		Range	Measurement Range 0mH ₂ O ~ 0.5mH ₂ O/2m H ₂ O							
		[0 ~ XmH ₂ O]L		X: actual measured range, L: cable length, recommended cable length L=X+(1~2)m						
			Code	Output Signal						
			E	4mA~20mA DC						
				Code	Junction Box					
				null	no junction box					
					Yb	Aluminum junction box without display				
					Yc	MS200 waterproof junction box				
					Yd	PD140 lightening-proof junction box				
					Ye	junction box (with or without display)				
						Code	Display Indicator ① (with Ye junction box only)			
						null	no display indicator			
						M1	0% ~ 100% linear indicator			
						M6	4 digits LED digital indicator			
						M7	4 digits LCD digital indicator			
						Code	Process Connection			
						F1	fixed flange			
MPM436W	[0 ~ 2mH ₂ O]3	E	Ye	M6	F1	Complete Type Specification				

- Notes:
- ①, only 4mA~20mA DC output product is available when ordering Ye junction box with display indicator.
 - When ordering the transmitter with M6 or M7 indicator, power supply should ≥20V DC.
 - Environmental temperature should be -20°C~ 70°C when ordering the transmitter with M6 indicator, environmental temperature should be -10°C~ 60°C when ordering the transmitter with M7 indicator, indicator setting can refer to our indicator lectotype, which can be found on our company's website.
 - Cable material is available for 3 types: PE cable is provided as default; if other material is needed, please specify in the order.
 - The protection rating of junction boxes are IP65.
 - The measured media should be compatible with the wetted material and the measured media density except water needs to be specified on contract.
 - 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.
 - If metrology verification certificate is needed or there are other requirements, please contact us and specify it in the order.