



**bar** MPM426WPC  
Level Transmitter

**MICROSENSOR**

AUTHORIZED DISTRIBUTOR



The MPM426WPC level transmitter is a fully welded, submersible level measurement device. It uses a piezoresistive OEM pressure sensor with proven long-term stability and reliability, and a special digital compensation circuit that are built into a stainless steel housing. The integrated structure and standardized output signal make it easy for the on-site use and automatic control. The vented Teflon® jacketed cable and the housing are hermetically sealed, which can be used in the liquids that are compatible with the sensor material for a long time. It is mainly applied for the pressure measurement and control of multiple chemicals.

**FEATURES**

- High Reliability, Safe and Easy to Use
- Short Circuit and Reverse Polarity Protection
- Automatic Production Line Ensures High Quality and Stability
- Stainless Steel 316L Housing and Teflon® Jacketed Cable
- **High Corrosion Resistance** and Hermetically-sealed Structure, IP68

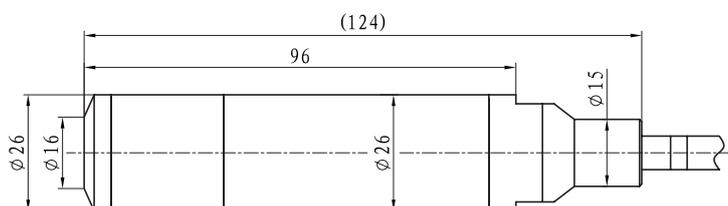
**CONSTRUCTION MATERIAL**

Housing: stainless steel 316L

Diaphragm: stainless steel 316L

Cable:  $\phi$ 7.5mm Teflon® Jacketed Cable

**OUTLINE DIMENSION (Unit: mm)**



MPM426WPC Level Transmitter  
Range: 0~10MPa  
Output: 0.5V~4.5V  
Supply: 9V~28VDC  
Elec. Conn.: BK: V+, GN: Drain, BK: V-, GN: Drain  
MICRO SENSOR

Version | 09.2021



## SPECIFICATIONS

Level range: 0mH<sub>2</sub>O~2mH<sub>2</sub>O / 3.5mH<sub>2</sub>O / 5mH<sub>2</sub>O / 10mH<sub>2</sub>O / 20mH<sub>2</sub>O / 35mH<sub>2</sub>O

Pressure Type: Gauge

Overload: 1.5FS

Power Supply: 9V~28V DC or 5V DC

Output Signal <sup>①</sup> : 0.5V~4.5V DC (3-wire), with temperature signal

Accuracy <sup>②</sup> : ±1% FS (≤ 3.5m H<sub>2</sub>O)  
±0.5% FS (>3.5mH<sub>2</sub>O)

Total Error <sup>③</sup> : ±2% FS (≤ 3.5m H<sub>2</sub>O, -20 °C ~75 °C)  
±1.5% FS (> 3.5m H<sub>2</sub>O, -20 °C ~75 °C)

Long-term Stability: ≤ ±0.3%FS/Year

Working Temperature: -30 °C ~ 80 °C

Storage Temperature: -40 °C ~ 100 °C

Insulation Resistance: 100V@100MΩ

Load Resistance: ≥ 10kΩ

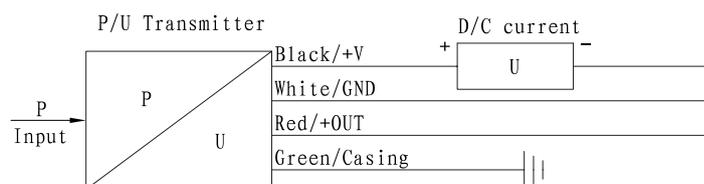
Protection Rating: IP68

Weight: about 260g (Including no cable), cable is about 94g/m

- ①: The sensors that use 5VDC as power supply only supports the voltage output, no temperature output is available;
- ②: Test at normal temperature (reference condition 20 °C ±5 °C ), non-linear;
- ③: The accuracy includes non-linearity, repeatability and hysteresis within the working temperature range.

## ELECTRICAL CONNECTION

Electrical Connection	Wire Color	
	9V~28V DC	5V DC
+V	BLACK	BLACK
+OUT	RED	RED
GND	WHITE	WHITE
Casing	GREEN	GREEN
T+	BLUE	
T-	BROWN	



MPM426WPC Wiring Diagram (Voltage Output Signal)

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**ORDER GUIDE**

MPM426WPC		Level Transmitter					
Range		0mH <sub>2</sub> O ~ 2mH <sub>2</sub> O/3.5mH <sub>2</sub> O/5mH <sub>2</sub> O/10mH <sub>2</sub> O/20mH <sub>2</sub> O/35mH <sub>2</sub> O					
[0 ~ XmH <sub>2</sub> O]L		X: the actual measured pressure L: cable length suggested L-X= (1~2) m					
Code		Power supply					
V1		9V ~ 28V DC					
V6		5V DC (only available for the voltage output, and the suggested cable length≤10m)					
Code		Output signal					
K		0.5V ~ 4.5V DC					
T		Temperature Output (Only available for sensors work at 9V ~ 28V DC supply power)					
Code		Material					
		Diaphragm	Pressure Port	Housing			
24		SS316L	SS316L	SS316L			
Code		End Cap					
D1		Ø26mm stainless steel cap with 4×φ2mm holes at the cap bottom					
D2		Ø26mm black nylon cap with 4×φ2mm holes at the cap side					
Code		Others					
G		Gauge					
MPM426WPC	[0 ~ 5mH <sub>2</sub> O]6	V1	K	24	D1	G	the whole spec

**NOTES**

1. The measured media should be compatible with the sensor material, and please provide the density of the media in the measurement (except water);
2. For sensors with 5VDC as the power supply, only voltage output is available, no temperature output and the cable length suggested should be ≤10m;
3. Default end cap is D1 unless specified;
4. The cable length is selected according to customer need;
5. If the user has special requirements, please feel free to contact us.