

# Submersible Level Transmitters for Fuels and Chemicals

## MPM426W Series



### Introduction

MPM426W Series Submersible Level Transmitters (MPM426WPC and MPM426WPF) from MICROSENSOR feature a fully welded construction with a high-stability piezoresistive sensor, specialized digital compensation, and rugged stainless steel housing. Key features include integrated construction, standardized outputs, wide temperature operation, and flexible cable options, making it a reliable solution for field automation control systems. The MPM426WPF Level Transmitter is primarily used for monitoring finished fuels (gasoline, diesel, kerosene), while the MPM426WPC Level Transmitter is ideal for chemical monitoring applications, including methanol, ethanol, DEF (diesel exhaust fluid), and diesel engine coolant. Both models offer high corrosion resistance and meet strict protection/explosion-proof standards.

### Applications

- Gasoline/Diesel/Methanol/Ethanol storage tanks
- Biodiesel tanks
- Chemical storage tanks
- Ballast tanks
- Groundwater level measurement in mine
- Wastewater level measurement
- Agricultural irrigation equipment
- Fertilizer storage tanks

### Features

- Ultra-Low power consumption
- Wide operating temperature range
- Exceptional sealing and medium compatibility
- Multiple output options
- Medium temperature measurement
- Magnetic hydrostatic probe, suitable for use with mobile tanks
- With NPT 1/4 Male, ideal for side mounting at the bottom of tanks

### Specifications

|                          |                                                                   |
|--------------------------|-------------------------------------------------------------------|
| Range                    | Level measurement range: 0mH <sub>2</sub> O~2mH <sub>2</sub> O... |
|                          | 200mH <sub>2</sub> O                                              |
|                          | Pressure measurement range: 0bar~0.2bar...350bar                  |
| Pressure type            | Gauge G, Absolute A, Sealed Gauge S                               |
| Overpressure             | ≤2 times FS                                                       |
| Accuracy                 | Refer to Measuring Range & Accuracy                               |
| Long-term stability      | ≤ ±0.2% FS/year                                                   |
| Compensation temperature | -10°C ~60°C                                                       |
| Operating temperature    | MPM426WPF : -20°C ~80°C (PUR)                                     |
|                          | -10°C ~70°C (PE / PVC)                                            |
| Storage temperature      | MPM426WPC : -30°C ~80°C                                           |
|                          | MPM426WPF : -30°C ~85°C (PUR)                                     |
|                          | -20°C ~85°C (PE / PVC)                                            |
|                          | MPM426WPC : -40°C ~85°C                                           |
| Vibration                | 20g, 20Hz~2000Hz                                                  |
| Shock                    | 20g, 11ms                                                         |
| IP rating                | IP68                                                              |
| Weight                   | ≤280g (excluding cable)                                           |

## Measuring Range &amp; Accuracy

## Pressure Measurement

| Gauge Pressure G |                 |          |              |      |      |                 |          |              |      |
|------------------|-----------------|----------|--------------|------|------|-----------------|----------|--------------|------|
| Unit             | Measuring Range | Accuracy | Overpressure | Code | Unit | Measuring Range | Accuracy | Overpressure | Code |
| kPa              | 0 - 20          | ±1%FS    | 40           | K020 | mbar | 0 - 200         | ±1%FS    | 500          | m200 |
|                  | 0 - 25          |          | 50           | K025 |      | 0 - 250         |          | 500          | m250 |
|                  | 0 - 40          | ±0.5%FS  | 100          | K040 |      | 0 - 400         | ±0.5%FS  | 1000         | m400 |
|                  | 0 - 50          |          | 100          | K050 |      | 0 - 500         |          | 1000         | m500 |
|                  | 0 - 60          |          | 100          | K060 |      | 0 - 600         |          | 1200         | m600 |
|                  | 0 - 70          |          | 100          | K070 |      | 0 - 700         |          | 1400         | m700 |
|                  | 0 - 80          |          | 200          | K080 |      | 0 - 800         |          | 1600         | m800 |
|                  | 0 - 90          |          | 200          | K090 |      | 0 - 900         |          | 1800         | m900 |
|                  | 0 - 100         |          | 200          | K100 | bar  | 0 - 1           | ±0.5%FS  | 2            | B001 |
|                  | 0 - 160         | ±0.25%FS | 300          | K160 |      | 0 - 1.6         |          | 3            | B1D6 |
|                  | 0 - 200         |          | 400          | K200 |      | 0 - 2           | ±0.25%FS | 4            | B002 |
|                  | 0 - 250         |          | 500          | K250 |      | 0 - 2.5         |          | 5            | B2D5 |
|                  | 0 - 300         |          | 600          | K300 |      | 0 - 3           |          | 6            | B003 |
|                  | 0 - 400         |          | 1000         | K400 |      | 0 - 4           |          | 10           | B004 |
|                  | 0 - 500         |          | 1000         | K500 |      | 0 - 5           |          | 10           | B005 |
|                  | 0 - 600         |          | 1000         | K600 |      | 0 - 6           |          | 10           | B006 |
|                  | 0 - 700         |          | 1400         | K700 |      | 0 - 7           |          | 14           | B007 |
|                  | 0 - 800         |          | 1600         | K800 |      | 0 - 8           |          | 16           | B008 |
|                  | 0 - 900         |          | 1800         | K900 |      | 0 - 9           |          | 18           | B009 |
| MPa              | 0 - 1           | ±0.25%FS | 2            | M1D0 |      | 0 - 10          |          | 20           | B010 |
|                  | 0 - 1.6         |          | 3            | M1D6 |      | 0 - 16          |          | 30           | B016 |
|                  | 0 - 2           |          | 4            | M2D0 |      | 0 - 20          |          | 40           | B020 |
|                  | 0 - 2.5         |          | 5            | M2D5 |      | 0 - 25          |          | 50           | B025 |
|                  | 0 - 3           |          | 6            | M3D0 |      | 0 - 30          |          | 60           | B030 |
|                  | 0 - 3.5         |          | 6            | M3D5 |      | 0 - 35          |          | 60           | B035 |
| psi              | 0 - 1.5         | ±1%FS    | 3            | P1D5 |      |                 |          |              |      |
|                  | 0 - 3           |          | 6            | P003 |      |                 |          |              |      |
|                  | 0 - 5           |          | 10           | P005 |      |                 |          |              |      |
|                  | 0 - 10          | ±0.5%FS  | 15           | P010 |      |                 |          |              |      |
|                  | 0 - 15          |          | 20           | P015 |      |                 |          |              |      |
|                  | 0 - 30          | ±0.25%FS | 45           | P030 |      |                 |          |              |      |
|                  | 0 - 60          |          | 150          | P060 |      |                 |          |              |      |
|                  | 0 - 100         |          | 150          | P100 |      |                 |          |              |      |
|                  | 0 - 160         |          | 300          | P160 |      |                 |          |              |      |
|                  | 0 - 200         |          | 300          | P200 |      |                 |          |              |      |
|                  | 0 - 300         |          | 450          | P300 |      |                 |          |              |      |
|                  | 0 - 500         |          | 750          | P500 |      |                 |          |              |      |

## Absolute Pressure A

| Unit | Measuring Range | Accuracy | Overpressure | Code | Unit | Measuring Range | Accuracy | Overpressure | Code |
|------|-----------------|----------|--------------|------|------|-----------------|----------|--------------|------|
| kPa  | 0 - 70          | ±1%FS    | 100          | K070 | bar  | 0-1             | ±1%FS    | 2            | B001 |
|      | 0 - 80          |          | 200          | K080 |      | 0-1.6           | ±0.5%FS  | 3            | B1D6 |
|      | 0 - 90          |          | 200          | K090 |      | 0-2             |          | 4            | B002 |
|      | 0 - 100         |          | 200          | K100 |      | 0-2.5           |          | 5            | B2D5 |
|      | 0 - 160         | ±0.5%FS  | 300          | K160 |      | 0-3             |          | 6            | B003 |
|      | 0 - 200         |          | 400          | K200 |      | 0-4             |          | 10           | B004 |
|      | 0 - 250         |          | 500          | K250 |      | 0-5             |          | 10           | B005 |
|      | 0 - 300         |          | 600          | K300 |      | 0-6             |          | 10           | B006 |
|      | 0 - 400         |          | 1000         | K400 |      | 0-7             |          | 14           | B007 |
|      | 0 - 500         |          | 1000         | K500 |      | 0-8             |          | 16           | B008 |
|      | 0 - 600         |          | 1000         | K600 |      | 0-9             |          | 18           | B009 |
|      | 0 - 700         |          | 1400         | K700 |      | 0-10            |          | 20           | B010 |
|      | 0 - 800         |          | 1600         | K800 |      | 0-16            | ±0.25%FS | 30           | B016 |
|      | 0 - 900         |          | 1800         | K900 |      | 0-20            |          | 40           | B020 |
| MPa  | 0 - 1           | ±0.5%FS  | 2            | M1D0 |      | 0-25            |          | 50           | B025 |
|      | 0 - 1.6         | ±0.25%FS | 3            | M1D6 |      | 0-30            |          | 60           | B030 |
|      | 0 - 2           |          | 4            | M2D0 |      | 0-35            |          | 60           | B035 |
|      | 0 - 2.5         |          | 5            | M2D5 |      | 0-40            |          | 100          | B040 |
|      | 0 - 3           |          | 6            | M3D0 |      | 0-50            |          | 100          | B050 |
|      | 0 - 3.5         |          | 6            | M3D5 |      | 0-60            |          | 100          | B060 |
|      | 0 - 4           |          | 6            | M4D0 |      | 0-70            |          | 140          | B070 |
|      | 0 - 5           |          | 10           | M5D0 |      | 0-80            |          | 160          | B080 |
|      | 0 - 6           |          | 10           | M6D0 |      | 0-90            |          | 180          | B090 |
|      | 0 - 7           |          | 14           | M7D0 |      | 0-100           |          | 200          | B100 |
|      | 0 - 8           |          | 16           | M8D0 |      | 0-160           |          | 300          | B160 |
|      | 0 - 9           |          | 18           | M9D0 |      | 0-200           |          | 300          | B200 |
|      | 0 - 10          |          | 20           | M010 |      | 0-250           |          | 375          | B250 |
|      | 0 - 16          |          | 30           | M016 |      | 0-300           |          | 350          | B300 |
|      | 0 - 20          |          | 30           | M020 |      | 0-350           |          | 525          | B350 |
|      | 0 - 25          |          | 37.5         | M025 | psi  | 0 - 10          | ±1%FS    | 15           | P010 |
|      | 0 - 30          |          | 45           | M030 |      | 0 - 15          | ±0.5%FS  | 20           | P015 |
|      | 0 - 35          |          | 52.5         | M035 |      | 0 - 30          |          | 45           | P030 |
| mbar | 0 - 700         | ±1%FS    | 1400         | m700 |      | 0 - 60          |          | 150          | P060 |
|      | 0 - 800         |          | 1600         | m800 |      | 0 - 100         |          | 150          | P100 |
|      | 0 - 900         |          | 1800         | m900 |      | 0 - 160         | ±0.25%FS | 300          | P160 |
|      |                 |          |              |      |      | 0 - 200         |          | 300          | P200 |
|      |                 |          |              |      |      | 0 - 300         |          | 450          | P300 |
|      |                 |          |              |      |      | 0 - 400         |          | 750          | P400 |
|      |                 |          |              |      |      | 0 - 500         |          | 750          | P500 |
|      |                 |          |              |      |      | 0 - 600         |          | 1500         | P600 |
|      |                 |          |              |      |      | 0 - 700         |          | 1500         | P700 |
|      |                 |          |              |      |      | 0 - 800         |          | 1500         | P800 |
|      |                 |          |              |      |      | 0 - 900         |          | 1500         | P900 |
|      |                 |          |              |      |      | 0 - 1000        |          | 1500         | P01K |
|      |                 |          |              |      |      | 0 - 2000        |          | 3000         | P02K |
|      |                 |          |              |      |      | 0 - 3000        |          | 4500         | P03K |
|      |                 |          |              |      |      | 0 - 4000        |          | 6000         | P04K |
|      |                 |          |              |      |      | 0 - 5000        |          | 7500         | P05K |

## Sealed Gauge Pressure S

| Unit | Measuring Range | Accuracy | Overpressure | Code | Unit | Measuring Range | Accuracy | Overpressure | Code |
|------|-----------------|----------|--------------|------|------|-----------------|----------|--------------|------|
| MPa  | 0 - 3.5         | ±0.25%FS | 7            | M3D5 | bar  | 0 - 35          | ±0.25%FS | 70           | B035 |
|      | 0 - 4           |          | 10           | M4D0 |      | 0 - 40          |          | 100          | B040 |
|      | 0 - 5           |          | 10           | M5D0 |      | 0 - 50          |          | 100          | B050 |
|      | 0 - 6           |          | 10           | M6D0 |      | 0 - 60          |          | 100          | B060 |
|      | 0 - 7           |          | 10           | M7D0 |      | 0 - 70          |          | 100          | B070 |
|      | 0 - 8           |          | 15           | M8D0 |      | 0 - 80          |          | 150          | B080 |
|      | 0 - 9           |          | 15           | M9D0 |      | 0 - 90          |          | 150          | B090 |
|      | 0 - 10          |          | 15           | M010 |      | 0 - 100         |          | 150          | B100 |
|      | 0 - 16          |          | 30           | M016 |      | 0 - 160         |          | 300          | B160 |
|      | 0 - 20          |          | 30           | M020 |      | 0 - 200         |          | 300          | B200 |
|      | 0 - 25          |          | 37.5         | M025 |      | 0 - 250         |          | 450          | B250 |
|      | 0 - 30          |          | 45           | M030 |      | 0 - 300         |          | 525          | B300 |
|      | 0 - 35          |          | 52.5         | M035 |      | 0 - 350         |          | 375          | B350 |

|     |          |          |      |      |
|-----|----------|----------|------|------|
| psi | 0 - 500  | ±0.25%FS | 750  | P500 |
|     | 0 - 600  |          | 1500 | P600 |
|     | 0 - 700  |          | 1500 | P700 |
|     | 0 - 800  |          | 1500 | P800 |
|     | 0 - 900  |          | 1500 | P900 |
|     | 0 - 1000 |          | 1500 | P01K |
|     | 0 - 2000 |          | 3000 | P02K |
|     | 0 - 3000 |          | 4500 | P03K |
|     | 0 - 4000 |          | 6000 | P04K |
|     | 0 - 5000 |          | 7500 | P05K |

## Level Measurement (Gauge Pressure)

| Unit              | Measuring Range | Overpressure | Code | Accuracy |
|-------------------|-----------------|--------------|------|----------|
| mH <sub>2</sub> O | 0 ~ 2           | 4            | H002 | ±1%FS    |
|                   | 0 ~ 3           | 7            | H003 |          |
|                   | 0 ~ 4           | 14           | H004 |          |
|                   | 0 ~ 5           | 20           | H005 | ±0.5%FS  |
|                   | 0 ~ 6           | 20           | H006 |          |
|                   | 0 ~ 7           | 20           | H007 |          |
|                   | 0 ~ 8           | 20           | H008 |          |
|                   | 0 ~ 9           | 20           | H009 |          |
|                   | 0 ~ 10          | 20           | H010 |          |
|                   | 0 ~ 15          | 40           | H015 | ±0.25%FS |
|                   | 0 ~ 20          | 40           | H020 |          |
|                   | 0 ~ 25          | 70           | H025 |          |
|                   | 0 ~ 30          | 70           | H030 |          |
|                   | 0 ~ 35          | 70           | H035 |          |
|                   | 0 ~ 40          | 140          | H040 |          |
|                   | 0 ~ 45          | 140          | H045 |          |
|                   | 0 ~ 50          | 140          | H050 |          |
|                   | 0 ~ 60          | 140          | H060 |          |
|                   | 0 ~ 70          | 140          | H070 |          |
|                   | 0 ~ 80          | 200          | H080 |          |
|                   | 0 ~ 90          | 200          | H090 |          |
|                   | 0 ~ 100         | 200          | H100 |          |
|                   | 0 ~ 110         | 400          | H110 |          |
|                   | 0 ~ 120         | 400          | H120 |          |
|                   | 0 ~ 150         | 400          | H150 |          |
|                   | 0 ~ 200         | 400          | H200 |          |

**Note:** The specified accuracy applies within the compensation temperature range of -10°C to 60°C.

**Test standard:** GB/T 17614.1-2015/IEC60770-1:2010

## Output Signals

| Output signal                                                          | Supply voltage | Output type | load capacity                                          | Insulation resistance |
|------------------------------------------------------------------------|----------------|-------------|--------------------------------------------------------|-----------------------|
| 4mA~20mA DC(E)                                                         | 12V~28V DC     | 2-wire      | $\leq (U-12) / 0.02 \quad (\Omega)$                    | 20MΩ@500V DC          |
| 1V~5V DC(F)                                                            | 15V~28V DC     | 3-wire      | $\geq 10k\Omega$                                       |                       |
| 0V~5V DC(J)                                                            |                |             |                                                        |                       |
| 0V~10V DC(V)                                                           |                |             |                                                        |                       |
| 0.5V~4.5V DC (K)                                                       |                |             |                                                        |                       |
| 0.5V~4.5V DC(K)                                                        |                |             |                                                        |                       |
| 0.5V~2.5V DC(W)                                                        | 3.2V~5V DC     |             |                                                        |                       |
| RS485, ASCII communication protocol, with temperature output (R4)      | 3.6V~28V DC    | 4-wire      | The RS485 bus allows up to 99 devices to be connected. |                       |
| RS485, MODBUS RTU communication protocol, with temperature output (R8) |                |             |                                                        |                       |

## Certifications

| Mark                                                                                | Description                                                                                                                    | Applicable Regions |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------|
|   | EU Declaration of Conformity<br>EMC Directive, Electromagnetic Emission and Immunity Standards<br>Pressure Equipment Directive | European Union     |
|  | RoHS Compliance                                                                                                                | European Union     |
|  | Technical Requirements for Equipment Intended for Use in Potentially Explosive Atmospheres                                     | European Union     |
|  | International Certification System for Electrical Equipment for Explosive Atmospheres                                          | International      |
|  | Safety Certification Required for Electronic Products Sold in the North American Market                                        | North America      |

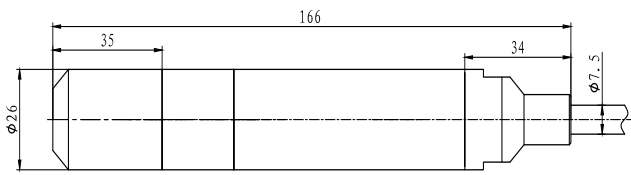
## Intrinsically Safe Parameters

| Output signal                                                                                                                               | Intrinsically Safe Parameters (Power supply) | Ui       | Ii       | Li           | Ci            | Pi    |
|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------|----------|--------------|---------------|-------|
| 4mA~20mA (E)                                                                                                                                | 12V~28V DC                                   | 28V DC   | 100mA DC | 1.44 $\mu$ H | 0 $\mu$ F     | 0.7W  |
| 1V~5V (F)                                                                                                                                   | 15V~28V DC                                   | 28V DC   | 150mA DC | 1.44 $\mu$ H | 66nF          | 0.9W  |
| 0V~5V (J)                                                                                                                                   |                                              |          |          |              |               |       |
| 0V~10V (V)                                                                                                                                  |                                              |          |          |              |               |       |
| 0.5V~4.5V (K)                                                                                                                               |                                              |          |          |              |               |       |
| 0.5V~4.5V (K)                                                                                                                               | 5V~10V DC                                    | 10V DC   | 200mA DC | 1.44 $\mu$ H | 0.428 $\mu$ F | 0.56W |
| 0.5V~2.5V (W)                                                                                                                               | 3.2V~5V DC                                   | 6V DC    | 100mA DC | 1.44 $\mu$ H | 0.318 $\mu$ F | 0.2W  |
| RS485, ASCII communication protocol, with temperature output (R4)<br>RS485, MODBUS_RTU communication protocol, with temperature output (R8) | 3.6V~28V DC                                  | 25.4V DC | 90mA DC  | 1.44 $\mu$ H | 13.2nF        | 0.56W |

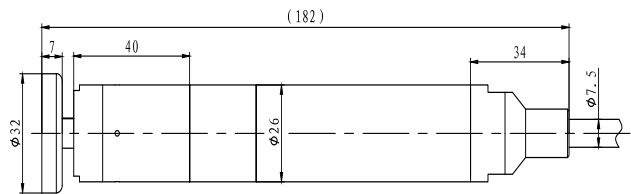
## Outline Construction

Unit: mm

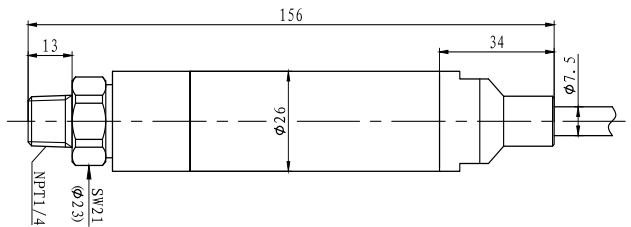
### Standard Hydrostatic Probe (LD1/LD2)



### Magnetic Hydrostatic Probe (LD3)



### NPT1/4 Male (C6)



## Electrical Connection

| Color          | 2-wire | 3-wire | 4-wire |
|----------------|--------|--------|--------|
| Red            | +V     | +V     | +V     |
| White          | None   | +OUT   | RS485B |
| Black          | +OUT   | GND    | GND    |
| Yellow / Green | None   | None   | RS485A |

## Construction Materials

Isolated diaphragm: SS 316L

Pressure port: SS 316L

Housing: SS 316L

Cable:

MPM426WPF: PE / PUR / PVC

MPM426WPC: PFA

Sealing:

MPM426WPF: HNBR

MPM426WPC: FFKM

## Order Guide

|                                              |    |                                                                                                                               |      |   |                             |    |    |         |     |    |                    |
|----------------------------------------------|----|-------------------------------------------------------------------------------------------------------------------------------|------|---|-----------------------------|----|----|---------|-----|----|--------------------|
| MPM426W Series Submersible Level Transmitter |    |                                                                                                                               |      |   |                             |    |    |         |     |    |                    |
| Code                                         |    | Product type                                                                                                                  |      |   |                             |    |    |         |     |    |                    |
| PF                                           |    | For oil measurement                                                                                                           |      |   |                             |    |    |         |     |    |                    |
| PC                                           |    | For chemical measurement                                                                                                      |      |   |                             |    |    |         |     |    |                    |
| Code                                         |    | Pressure type                                                                                                                 |      |   |                             |    |    |         |     |    |                    |
| G                                            |    | Gauge pressure                                                                                                                |      |   |                             |    |    |         |     |    |                    |
| A                                            |    | Absolute pressure                                                                                                             |      |   |                             |    |    |         |     |    |                    |
| S                                            |    | Sealed gauge pressure                                                                                                         |      |   |                             |    |    |         |     |    |                    |
| Range                                        |    | Level measurement: 0mH <sub>2</sub> O~2mH <sub>2</sub> O...200mH <sub>2</sub> O<br>Pressure measurement: 0bar~0.2bar...350bar |      |   |                             |    |    |         |     |    |                    |
| XXXX                                         |    | Range-specific code                                                                                                           |      |   |                             |    |    |         |     |    |                    |
| Code                                         |    | Output type                                                                                                                   |      |   |                             |    |    |         |     |    |                    |
| E                                            |    | 4mA~20mA DC                                                                                                                   |      |   |                             |    |    |         |     |    |                    |
| J                                            |    | 0V~5V DC                                                                                                                      |      |   |                             |    |    |         |     |    |                    |
| F                                            |    | 1V~5V DC                                                                                                                      |      |   |                             |    |    |         |     |    |                    |
| V                                            |    | 0V~10V DC                                                                                                                     |      |   |                             |    |    |         |     |    |                    |
| K                                            |    | 0.5V~4.5V DC                                                                                                                  |      |   |                             |    |    |         |     |    |                    |
| W                                            |    | 0.5V~2.5V DC                                                                                                                  |      |   |                             |    |    |         |     |    |                    |
| R4                                           |    | RS485, ASCII                                                                                                                  |      |   |                             |    |    |         |     |    |                    |
| R8                                           |    | RS485, MODBUS_RTU                                                                                                             |      |   |                             |    |    |         |     |    |                    |
| Code                                         |    | Power supply                                                                                                                  |      |   |                             |    |    |         |     |    |                    |
| V11                                          |    | 12V~28V DC                                                                                                                    |      |   |                             |    |    |         |     |    |                    |
| V13                                          |    | 15~28V DC                                                                                                                     |      |   |                             |    |    |         |     |    |                    |
| V14                                          |    | 3.2V~5V DC                                                                                                                    |      |   |                             |    |    |         |     |    |                    |
| V15                                          |    | 3.6~28V DC                                                                                                                    |      |   |                             |    |    |         |     |    |                    |
| V16                                          |    | 5V~10V DC                                                                                                                     |      |   |                             |    |    |         |     |    |                    |
| Code                                         |    | Accuracy <sup>①</sup>                                                                                                         |      |   |                             |    |    |         |     |    |                    |
| A1                                           |    | ±0.25%FS                                                                                                                      |      |   |                             |    |    |         |     |    |                    |
| A2                                           |    | ±0.5%FS                                                                                                                       |      |   |                             |    |    |         |     |    |                    |
| A3                                           |    | ±1%FS                                                                                                                         |      |   |                             |    |    |         |     |    |                    |
| Code                                         |    | Construction material                                                                                                         |      |   |                             |    |    |         |     |    |                    |
| 24                                           |    | Isolated diaphragm                                                                                                            |      |   | Pressure port               |    |    | Housing |     |    |                    |
|                                              |    | SS 316L                                                                                                                       |      |   | SS 316L                     |    |    | SS 316L |     |    |                    |
| Code                                         |    | Sensor sealing                                                                                                                |      |   |                             |    |    |         |     |    |                    |
| 02                                           |    | Welded                                                                                                                        |      |   |                             |    |    |         |     |    |                    |
| Code                                         |    | Process connection                                                                                                            |      |   |                             |    |    |         |     |    |                    |
| LD1                                          |    | Hydrostatic probe, SS 316L                                                                                                    |      |   |                             |    |    |         |     |    |                    |
| LD2                                          |    | Hydrostatic probe, POM (Polyoxymethylene)                                                                                     |      |   |                             |    |    |         |     |    |                    |
| LD3                                          |    | Hydrostatic probe, magnetic, SS 316L                                                                                          |      |   |                             |    |    |         |     |    |                    |
| C6                                           |    | NPT1/4 Male                                                                                                                   |      |   |                             |    |    |         |     |    |                    |
| Code                                         |    | Cable material                                                                                                                |      |   |                             |    |    |         |     |    |                    |
| P1                                           |    | PE                                                                                                                            |      |   | Only optional for MPM426WPF |    |    |         |     |    |                    |
| P2                                           |    | PUR                                                                                                                           |      |   |                             |    |    |         |     |    |                    |
| P3                                           |    | PVC                                                                                                                           |      |   |                             |    |    |         |     |    |                    |
| P4                                           |    | PFA                                                                                                                           |      |   | Only optional for MPM426WPC |    |    |         |     |    |                    |
| MPM426W                                      | PF | G                                                                                                                             | M1D0 | E | V11                         | A2 | 24 | 00      | LD1 | P1 | The complete spec. |



| Table continued | Code | Cable length (Unit: m)             |
|-----------------|------|------------------------------------|
|                 | L001 | 1                                  |
|                 | L1D5 | 1.5                                |
|                 | L002 | 2                                  |
|                 | L003 | 3                                  |
|                 | L004 | 4                                  |
|                 | L005 | 5                                  |
|                 | L006 | 6                                  |
|                 | L007 | 7                                  |
|                 | L008 | 8                                  |
|                 | L009 | 9                                  |
|                 | L010 | 10                                 |
|                 | L015 | 15                                 |
|                 | L020 | 20                                 |
|                 | L025 | 25                                 |
|                 | L030 | 30                                 |
|                 | L035 | 35                                 |
|                 | L040 | 40                                 |
|                 | L045 | 45                                 |
|                 | L050 | 50                                 |
|                 | L060 | 60                                 |
|                 | L070 | 70                                 |
|                 | L080 | 80                                 |
|                 | L090 | 90                                 |
|                 | L100 | 100                                |
|                 | L110 | 110                                |
|                 | L120 | 120                                |
|                 | L150 | 150                                |
|                 | L200 | 200                                |
|                 | Code | Accessory                          |
|                 | N    | None                               |
|                 | Yb5  | Yb junction box (5-core terminals) |
|                 | Yc5  | MS200 (5-core terminals)           |
|                 | Yd   | PD140                              |
|                 | Ye   | Ye (without indicator)             |
|                 | MS01 | Polymer plug                       |
| L001            | Yc3  | The complete spec.                 |

## Notes

1. "①" refers to accuracy, see "Measuring Range & Accuracy" for details.
2. The transmitter is intrinsically safe, while its accessories are non-intrinsically safe.
3. The measured medium shall be compatible with the wetted parts materials, and the medium's density (excluding water) under measurement conditions must be specified.
4. In areas prone to thunderstorms, it is advisable to install lightning protection devices and ensure proper grounding of the product and power supply to minimize the risk of lightning damage to the transmitter.
5. If a metrology verification certificate is required, or there are any other special requirements, please consult with the MICROSENSOR and specify them in the order.