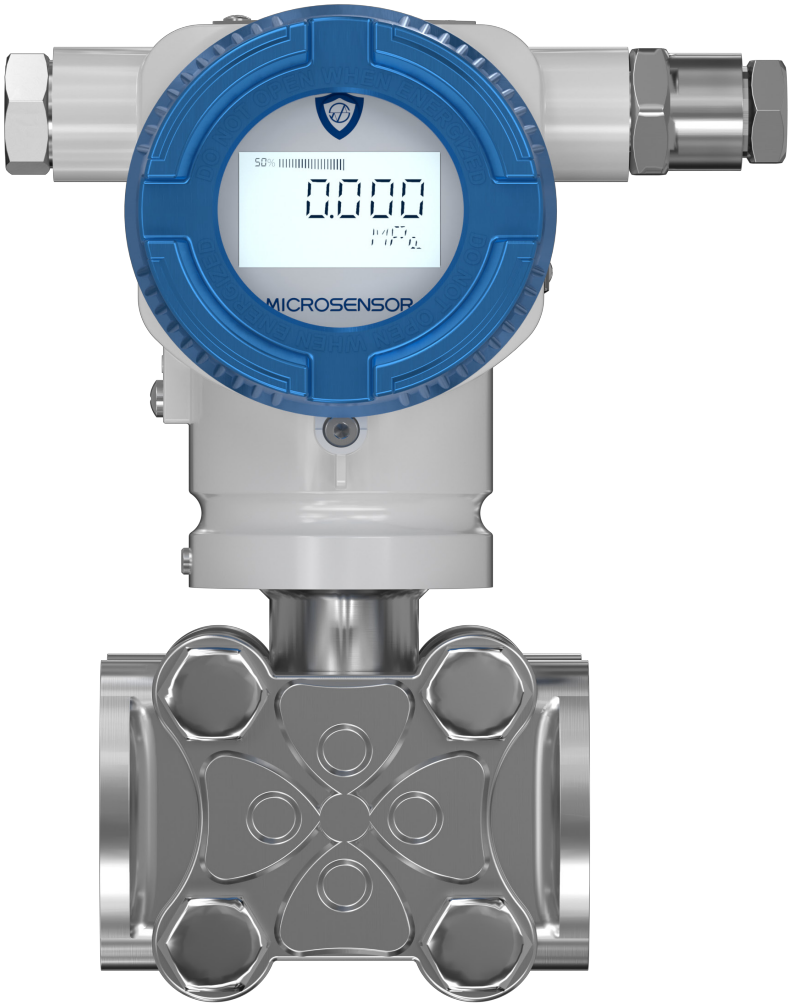
# MDM7000-DP

## Smart Differential Pressure Transmitter




Note: Some certificates are still pending.

## Range

| Norminal Range | Minimum range | Lower (LRL) | Upper (URL) | Static pressure range | High-side overpressure | Low-side overpressure |
|---|---|---|---|---|---|---|
| 20mbar | 1mbar | -20mbar | 20mbar | 420bar | 160bar | 160bar |
| 60mbar | 10mbar | -60mbar | 60mbar | 420bar | 250bar | 250bar |
| 0.4bar | 20mbar | -0.4bar | 0.4bar | 420bar | 250bar | 250bar |
| 2.5bar | 25mbar | -2.5bar | 2.5bar | 420bar | 250bar | 250bar |
| 10bar | 0.1bar | -10bar | 10bar | 420bar | 250bar | 250bar |
| 30bar | 0.3bar | -30bar | 30bar | 420bar | 250bar | 250bar |
| 100bar | 1bar | -30bar | 100bar | 420bar | 200bar | 200bar |

LRV/URV setting: The lower range value (LRV) and upper range value (URV) shall be set within the measurement range limits. When |URV| ≥ |LRV|, |URV| shall be greater than or equal to the minimum range; when |URV| ≤ |LRV|, |LRV| shall be greater than or equal to the minimum range. It is recommended to select a low range ratio.

## Accuracy

1 Stated reference accuracy include best fit straight line(BFSL), hysteresis, and repeatability as per the standard and reference test conditions. Calibration temperature: 20°C ±5°C , based on Zero value.

2 Total performance is based on combined errors of indoor temperature accuracy, ambient temperature effects and static pressure effects, calculated by the following formula:Total performance=$\pm\sqrt{(E1)^2 + (E2)^2 + (E3)^2}$ ;

E1=Indoor temperature accuracy E2=Ambient temperature effects E3=Static pressure effects

| | | | |
|---|---|---|---|
| Linear output accuracy | TD ① ≤5 | ±0.075% | 20mbar, 60mbar ② |
| | | ±0.05% ③, ±0.075% | 0.4bar, 2.5bar, 10bar, 30bar, 100bar |
| | TD>5 | ±(0.001+0.0148TD) % | 20mbar, 60mbar ② |
| | | ±(0.0275+0.0095TD) % | 0.4bar, 2.5bar, 10bar, 30bar, 100bar |
| Square root output accuracy is 1.5 times linear output accuracy. | | | |

**Note**: ① TD (Turn down) refers to the range ratio, TD = Max. Range / Current Range.[Where: Max. Range = URL (Range starting from zero, identical to Factory Calibration Range); Current Range = SPAN (Equivalent to |URV - LRV|)]

② 60mbar output accuracy of ±0.075% SPAN is only available for TD≤2.

③ Optional linear output accuracy is 0.05%. Please consult MICROSENSOR for details.

## Specifications

| | |
|---|---|
| Accuracy | ±0.05% ①, ±0.075%URL |
| Range | 20mbar~100bar, see the specifications for details |
| Turn down ratio | 100:1 |
| Long-term stability | ±0.1% Span/10 years |
| Ambient temperature effects | At 60mbar, the total effect per 10°C is (0.1+0.05TD)% SPAN; For other ranges: total effect per 10°C : (0.075+0.0375TD)% SPAN |
| Voltage effects | Zero and span shifts shall not exceed ±0.005% URL/V for power supply variations within 18.3V~44V DC |
| Mounting position effects | Less than 4mbar at any position, which can be corrected by PV(primary value)=0 reset |
| Vibration effects | ＜ 0.1% SPAN as per GB/T18271.3/IEC61298-3 |
| Output signal | 4mA~20mA DC, HART |
| IP rating | IP67, IP66 |
| Weight | Approx. 4kg (Excluding mounting bracket and process connection accessories) |
| **Note:** ① Accuracy depends on the measuring range. Please consult MICROSENSOR for details. | |

## Environmental Conditions

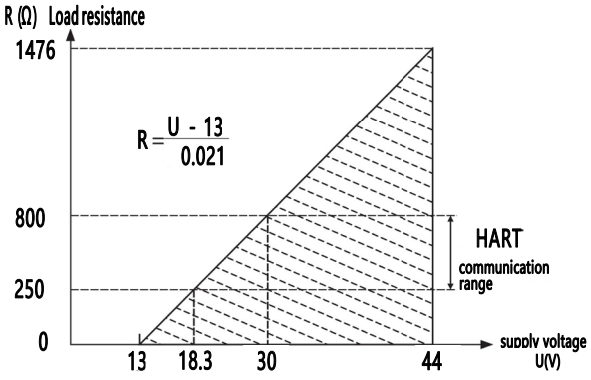
| Items | Conditions |
|---|---|
| Ambient temperature ① | Without LCD display: -50°C ~85°C ; with LCD display: -40°C ~70°C |
| Storage temperature | Without LCD display: -50°C ~100°C ; with LCD display: -40°C ~85°C |
| Sensor operating temperature ② | -40°C ~105°C |
| Medium temperature ③ | Standard silicone oil (Medium temperature:-40°C ~105°C ) |
| | Low temperature silicone oil (Medium temperature: -55°C ~85°C ) |
| | Fluorinated oil (Medium temperature: -20°C ~85°C ) |

| | |
|---|---|
| Ambient humidity | 5%RH~100%RH@40℃ |

**Note:** ① For short-neck explosion-proof models, ensure that the enclosure surface temperature ≤ 80°C . If uncertain, the medium temperature shall not exceed the T6 (80°C) temperature class.
② For higher medium temperatures, heat dissipation accessories are available. Please consult MICROSENSOR for details.
③ The medium temperature at the diaphragm shall remain within the limits of the selected fill oil, sensor sealing, and sensor operating temperature range.

## Power Supply and Load Requirements

| Items | Conditions |
|---|---|
| Supply voltage | HART communication protocol/RS 485: 18.3V~44V DC ① |
| | Intrinsically safe HART communication protocol: 18.3V~30V DC |
| Load resistance | 0Ω~1476Ω ② for operation mode; 250Ω~800Ω for HART communication |
| Transmission distance | <1000m |
| Power consumption | |
| 4mA~20mA | ≤500mW@24V DC, 20.8mA |




**Note:** ① When HART communication is not used, the minimum supply voltage can be 13V. Please consult engineers for details.
② 1476Ω= (44V-13V) /21mA

## EMC Effects

| SN | Test items | Standards | Test Conditions | Performance Level |
|---|---|---|---|---|
| 1 | Radiated interference (Housing) | GB/T 9254.1/CISPR 32 | 30MHz~1000MHz | Qualified |
| 2 | Conducted interference (DC power port) | GB/T 9254.1/CISPR 32 | 0.15MHz~30MHz | Qualified |
| 3 | Electrostatic discharge immunity test | GB/T 17626.2/IEC61000-4-2 | 8kV (contact), 15kV (air) | B |
| 4 | Radiated, radio-frequency, electro-magnetic field immunity test | GB/T 17626.3/IEC61000-4-3 | 10V/m (80MHz~1GHz) | A |
| 5 | Power frequency magnetic field immunity test | GB/T 17626.8/IEC61000-4-8 | 30A/m | B |
| 6 | Electrical fast transient / burst immunity test | GB/T 17626.4/IEC61000-4-4 | 4kV (5/50ns,100kHz) | B |
| 7 | Surge immunity requirements | GB/T 17626.5/IEC61000-4-5 | 2kV (line to line)<br>4kV (line to ground) (1.2/50μs) | B |
| 8 | Immunity to conducted disturbances induced by radio frequency fields | GB/T 17626.6/IEC61000-4-6 | 3V/m (150kHz~80MHz) | A |

**Note:** Performance level A: Normal operation within specified limits
Performance level B: Temporary performance degradation permitted, with automatic recovery and no data loss

## Time Index

| |
|---|
| Damping time constant: equals to the combined damping time of electronic components and sensor module |
| Electronic components damping time: 0s~100s configurable |
| Sensor module damping time( sensor isolated diaphragm and filled silicone oil):≤ 0.2s<br>(**Note**: This item is related to the sensor type and whether there is a diaphragm component.) |
| Turn-on time: ≤6s |
| Factory reset time: ≤31s |
| Response time: ≤100ms |

## Static Pressure Effects

| Range | Effects |
|---|---|
| Range ≤ 0.1bar | δ≤±0.5%F.S./100bar |
| 0.1bar < Range ≤ 0.4bar | δ≤±0.1%F.S./100bar |
| 0.4bar < Range ≤ 2.5bar | δ≤±0.075%F.S./100bar |
| 2.5bar < Range ≤ 10bar | δ≤±0.075%F.S./100bar |
| 10bar < Range ≤ 30bar | δ≤±0.15%F.S./100bar |
| 30bar < Range ≤ 100bar | δ≤±0.03%F.S./100bar |

## Hazardous Area

| | Ex Standards (association) | Mark | Standard |
|---|---|---|---|
| Hazardous area | Ex Intrinsically safe (PCEC) | Ex ia IIC T4 Ga | GB/T 3836.1-2021<br>GB/T 3836.4-2021 |
| | Ex Flameproof (PCEC) | Ex db IIC T6 Gb | GB/T 3836.1-2021<br>GB/T 3836.2-2021 |
| | Ex Dust explosion-proof (NEPSI) | Ex tb IIC T85°C Db | GB/T 3836.1-2021<br>GB/T 3836.31-2021 |
| | ATEX Intrinsically safe (CSA) | II 1G Ex ia IIC T4 Ga | EN IEC 60079-0:2018<br>EN 60079-11:2012 |
| | ATEX Flameproof (CSA) | II 2G Ex db IIC T6 Gb | EN IEC 60079-0:2018<br>EN 60079-1: 2014 |
| | ATEX Dust explosion-proof (CSA) | II 2D Ex tb IIIC T80°C Db | EN IEC 60079-0:2018<br>EN 60079-31: 2014 |
| | IECEx Intrinsically safe (CSA) | Ex ia IIC T4 Ga | IEC 60079-0: 2017<br>IEC 60079-11: 2011 |
| | IECEx Flameproof (CSA) | Ex db IIC T6 Gb | IEC 60079-0: 2017<br>IEC 60079-1: 2014 |
| | IECEx Dust explosion-proof (CSA) | Ex tb IIIC T80°C Db | IEC 60079-0: 2017<br>IEC 60079-31: 2022 |
| | NA Intrinsically safe (CSA) | Class I, Division 1, Groups A, B, C and D T4<br>Ex ia IIC T4 Ga<br>Class I, Zone 0, AEx ia IIC T4 Ga | CSA C22.2 No. 60079-0:19<br>CAN/CSA C22.2 No. 60079-11:14(R2023)<br>CAN/CSA C22.2 No. 61010-1-12, UPD1:2015, UPD2:2016, AMD1:2018<br>ANSI/UL 60079-0-2020 Seventh Edition<br>ANSI/UL 60079-11-2018 (R2023)Sixth Edition<br>ANSI/UL 913-2022 Eighth Edition<br>UL 61010-1, 3rd Edition (2012), AMD1: 2018 |
| | NA Flameproof (CSA)① | Class I, Division 1, Group A, B, C and D T6<br>Class II, Division 1 Group E, F and G T80°C<br>Class III<br>Ex db IIC T6 Gb<br>Class I, Zone 1, AEx db IIC T6 Gb<br>Ex tb IIIC T80°C Db<br>Zone 21, AEx tb IIIC T80°C Db | CAN/CSA C22.2 No.61010-1-12. UPD1:2015. UPD2:2016.AMD1:2018<br>CSA C22.2 No.25-17 (R2022)<br>CAN/CSA C22.2 No. 30:20 + UPD1 2023 (R2025)<br>CAN/CSA C22.2 No. 60079-0:19 (R2024)<br>CAN/CSA-C22.2 No.60079-1:16 (R2021)<br>CAN/CSA-C22.2 No.60079-31:25<br>CAN/CSA C22.2 No. 94.2:20<br>UL 61010-1. 3rd Edition (2012). AMD1:2018<br>FM 3600:2022 FM 3615:2022 FM 3616:2022<br>ANSI/UL 60079-0-2020 Seventh Edition<br>ANSI/UL 60079-1-2020 Seventh Edition<br>ANSI/UL 60079-31-2015 Second Edition<br>ANSI/UL 50E-2020 Third Edition |
| | EAC Explosion-proof | 1Ex db IIC T6 Gb<br>0Ex ia IIC T4 Ga | TP TC012/2011<br>GOST 31610.0-2019<br>GOST 31610.11-2014<br>GOST IEC 60079-1-2013 |

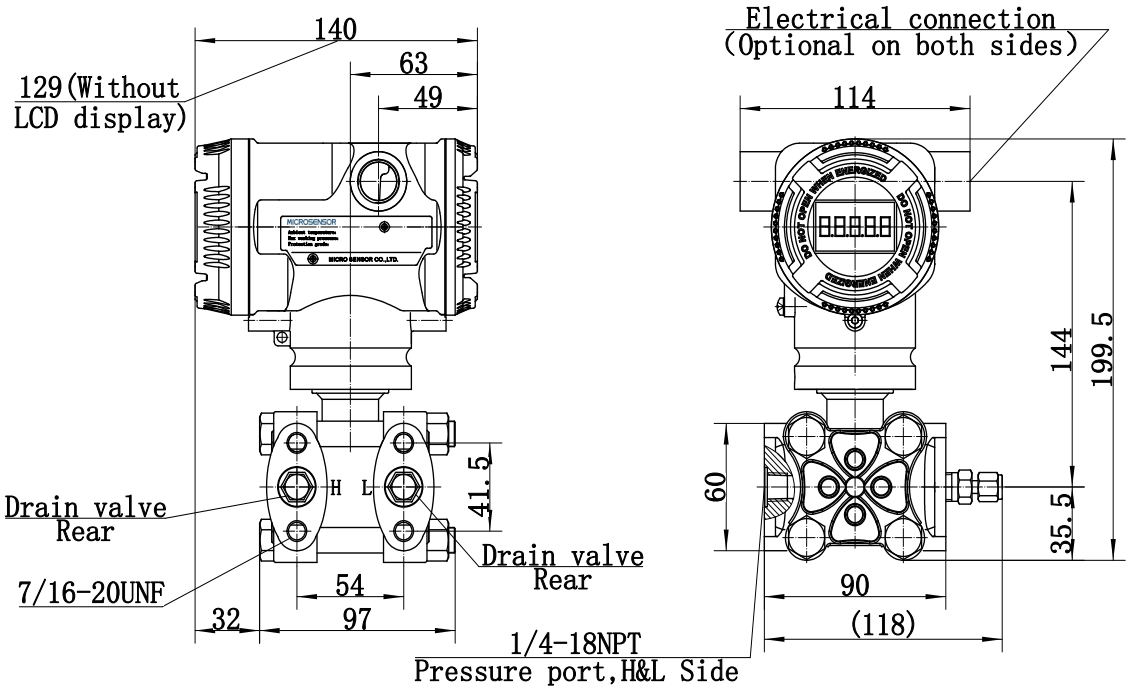
**Note: Please consult MICROSENSOR for details.**

## Dimensions

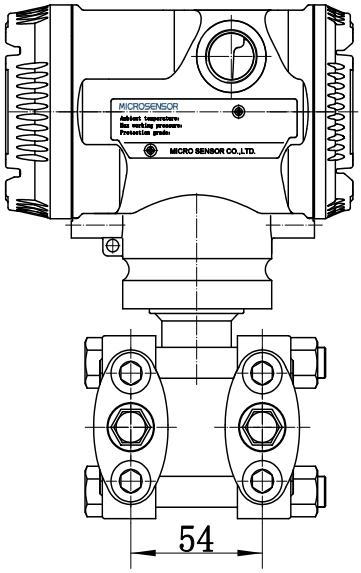
Unit: mm

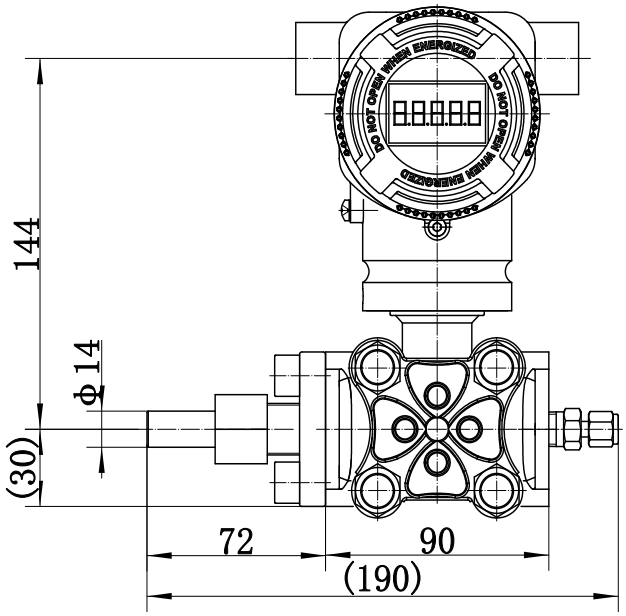
Note: The cable gland is supplied as an accessory and is to be installed by the user.

### MDM7000 Transmitter With Display

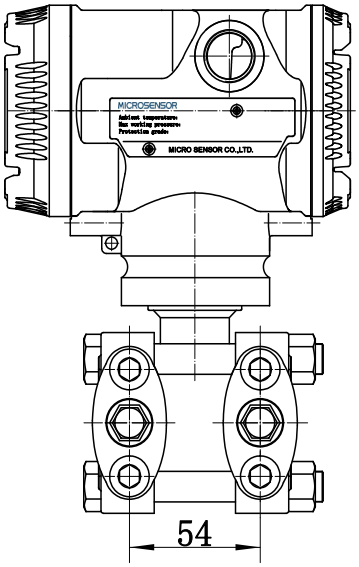


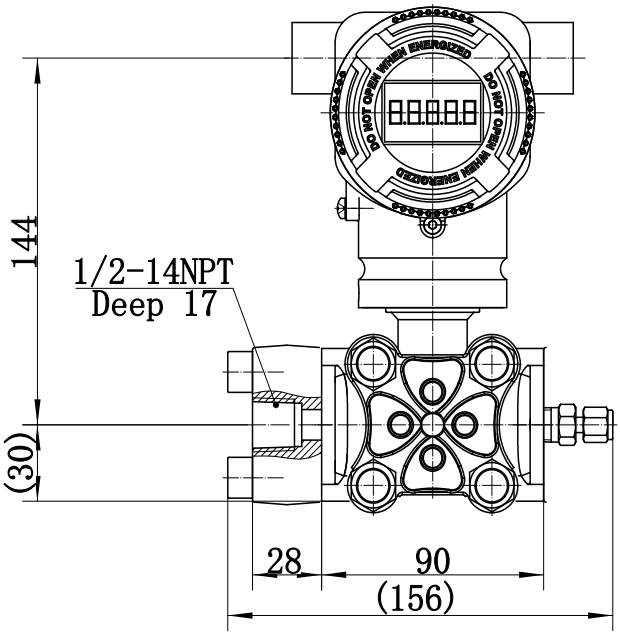
## Process Adapter D3 (Code: D3)



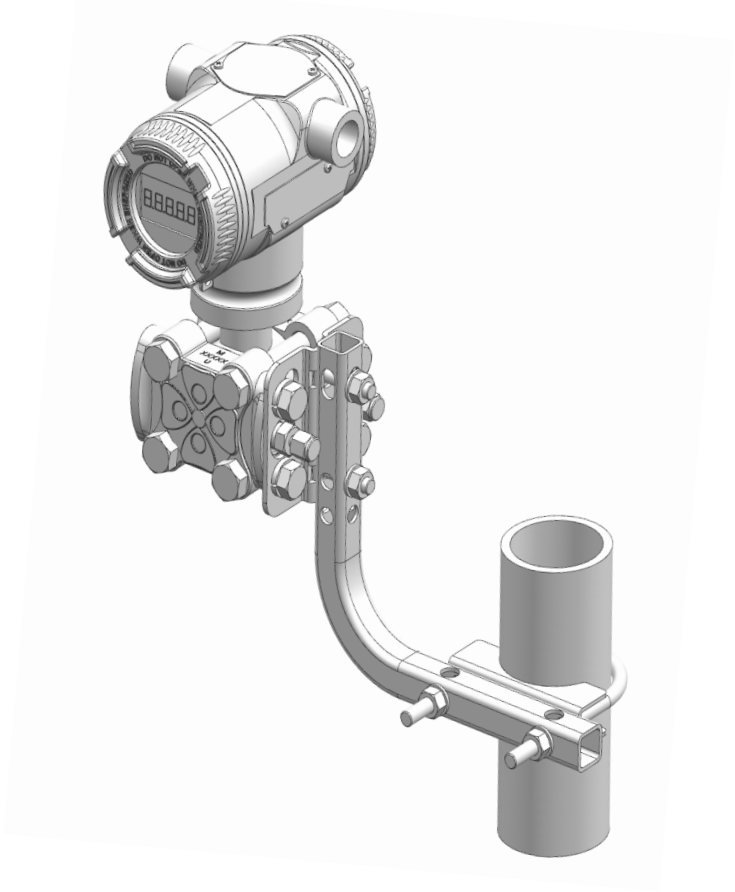

## Process Adapter D4 (Code: D4)



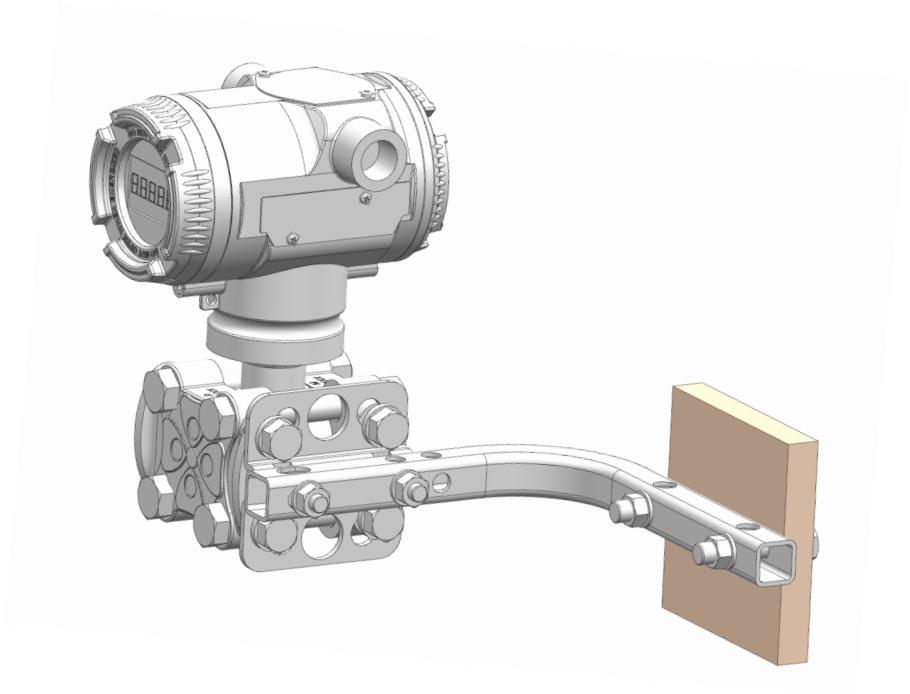



## Mounting Bracket Illustration

### Pipe Mounting (Codes: G10, G11, G12)



### Plate Mounting (Codes: G10, G11, G12)



## Order Guide

### MDM7000-DP Smart Differential Pressure Transmitter

| Items | Code | Description |
|---|---|---|
| MDM7000-DP | — | Smart Differential Pressure Transmitter |

**Basic options**

| | | | |
|---|---|---|---|
| Application of hazardous area | 1 | China, Flameproof, CE23.6650<br>Ex db IIC T6 Gb, GB/T3836.1-2021, GB/T3836.2-2021 | |
| | 2 | China, Intrinsically safe, CE23.7688X<br>Ex ia IIC T4 Ga, GB/T3836.1-2021, GB/T3836.4-2021 | |
| | 3 | China，Dust ignition protection，GYB24.1215X<br>Ex tb III C T85°C Db, GB/T3836.1-2021, GB/T 3836.31-2021 | |
| | 4 | China, Flameproof, Intrinsically safe | |
| | 5 | China, Flameproof, Dust ignition protection, Intrinsically safe | |
| | A | CSA, Flameproof, Dust ignition protection, CSA26CA80192884X<br>Class I, Division 1, Group A, B, C and D T6<br>Class II, Division 1 Group E, F and G T80ºC<br>Class III<br>Ex db IIC T6 Gb<br>Class I, Zone 1, AEx db IIC T6 Gb<br>Ex tb IIIC T80°C Db<br>Zone 21, AEx tb IIIC T80°C Db | ※ |
| | B | CSA, Intrinsically safe, CSA24CA80156531X<br>Class I, Division 1, Groups A, B, C and D T4<br>Ex ia IIC T4 Ga<br>Class I, Zone 0, AEx ia IIC T4 Ga | |
| | C | CSA, Flameproof, Intrinsically safe | ※ |
| | E | ATEX, Flameproof, Dust ignition protection, CSANe 25ATEX1107X<br>II 2G Ex db IIC T6 Gb，II 2D Ex tb IIIC T80°C Db | |
| | F | ATEX, Intrinsically safe, CSANe 24ATEX1178X<br>II 1G Ex ia IIC T4 Ga | |
| | G | ATEX, Flameproof, Intrinsically safe | |
| | J | IECEx, Flameproof, Dust ignition protection, IECEx CSA 25.0059X<br>Ex db IIC T6 Gb, Ex tb IIIC T80°C Db | |
| | K | IECEx, Intrinsically safe, IECEx CSA 24.0045X<br>Ex ia IIC T4 Ga | |
| | L | IECEx, Flameproof, Intrinsically safe | |
| | M | EAC, Explosion-proof, RU C-CN.АЖ58.B.05884/24<br>1Ex db IIC T6 Gb，0Ex ia IIC T4 Ga | |
| | 0 | Non-hazardous area | |
| Output signal | H | 4mA~20mA DC, HART | |
| | V | 1V~5V DC low power (0.1%FS accuracy) | |
| | R | Modbus-RS485 | |
| Housing | S | Cast 316L SS housing, 2 × M20×1.5 female entries | |
| | U | Cast 316L SS housing, 2 × 1/2 NPT female entries (no glands) | |
| | P | Aluminum alloy housing (polyester resin coated), 2 × M20×1.5 female entries | |
| | N | Aluminum alloy housing (polyester resin coated), 2 × 1/2 NPT female entries (no glands) | |

**Note:** 1/2 NPT female entries (without glands) for direct connection with explosion-proof conduits. 304 SS nameplate as standard; consult MICROSENSOR for other materials

| Glands & adapters | | Specification | Material | Applicable wire diameter | IP rating |
|---|---|---|---|---|---|
| | 0 | None (No cable glands) | | | |
| | A | Single-ended flameproof plug, M20×1.5 | 316 SS | | |
| | B | Single-ended flameproof plug, 1/2NPT | 316 SS | | |
| | 1 | M20×1.5 Cable gland (watertight) with plug | PVC | 6mm~12mm | IP67 |
| | 2 | Non-flameproof adapter M20x1.5 (M) to M20x1.5 (F) , with plug | 316 SS | 6mm~8mm | IP67 |

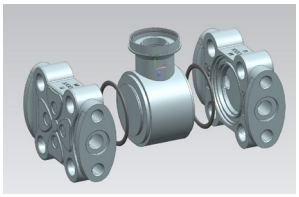
| | | | | | |
|---|---|---|---|---|---|
| | 3 | Flameproof adapter M20x1.5 (M) to 1/2 NPT (F) , with plug | 316 SS | 6mm~12mm | IP67 |
| | 4 | Flameproof adapter M20x1.5 (M) to M20x1.5 (F) , with plug | 316 SS | 6mm~12mm | IP67 |
| | 5 | Flameproof adapter M20x1.5 (M) to G1/2 (F) , with plug | 316 SS | 6mm~12mm | IP67 |

**Note:** Flameproof configurations are compliant with PCEC, ATEX, and IECEx standards. Flameproof adapters are CCC Ex certified. Please consult MICROSENSOR for double-seal requirements.

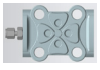
| | | |
|---|---|---|
| Display | N | Without LCD display, explosion proof type -40°C ~70°C , non-explosion proof type -50°C ~85°C |
| | L | With LCD display, explosion proof type/non-explosion proof -40°C ~70°C |
| | — | |

| Range | | Nominal range | Minimum range | Lower (LRL) | Upper（URL） | Static pressure range | One-sided overpressure (high/low side) |
|---|---|---|---|---|---|---|---|
| | 0 | 20mbar | 1mbar | -20mabr | 20mbar | 420bar | 160bar |
| | 1 | 60mbar | 10mbar | -60mbar | 60mbar | 420bar | 250bar |
| | 2 | 0.4bar | 20mbar | -0.4bar | 0.4bar | 420bar | 250bar |
| | 3 | 2.5bar | 25mbar | -2.5bar | 2.5bar | 420bar | 250bar |
| | 4 | 10bar | 0.1bar | -10bar | 10bar | 420bar | 250bar |
| | 5 | 30bar | 0.3bar | -30bar | 30bar | 420bar | 250bar |
| | 6 | 100bar | 1bar | -30bar | 100bar | 420bar | 200bar |

| Wetted parts material | | Diaphragm | Process flange | Drain/vent valve & plug | Sealing | |
|---|---|---|---|---|---|---|
| | A | 316L | 316L | 316L | FKM | |
| | B | 316L | 316L | 316L | PTFE with stainless steel insert | |
| | E | 316L | 316L | 316L | Modified FKM | |
| | C | HC-276 | 316L | 316L | FKM | |
| | D | HC-276 | 316L | 316L | PTFE with stainless steel insert | |
| | F | HC-276 | 316L | 316L | Modified FKM | |
| | G | Tantalum | 316L | 316L | FKM | ※ |
| | H | Tantalum | 316L | 316L | PTFE with stainless steel insert | ※ |
| | I | Tantalum | 316L | 316L | Modified FKM | ※ |



**Note:** FKM （-20°C ≤Medium temperature ≤120°C ), PTFE （-60°C ≤Medium temperature ≤120°C ), Modified FKM (-40°C ≤Medium temperature ≤180°C ), Tantalum diaphragm is not available when the range is below 0.4 bar.

| Process connection | | Specifications | Drain/vent valve position | Fixed thread | Mounting method | |
|---|---|---|---|---|---|---|
| | 1 | Female 1/4-18NPT | Back of flange | 7/16-20UNF(F) | Horizontal |  |
| | 2 | Female 1/4-18NPT | Upper side of flange | 7/16-20UNF(F) | Horizontal |  |
| | 3 | Female 1/4-18NPT | Lower side of flange | 7/16-20UNF(F) | Horizontal |  |
| | 4 | Female 1/4-18NPT | Side drain/vent valve* | 7/16-20UNF(F) | Vertical |  |

**Note:** The side drain/vent valve is not specified as left or right when it leaves the factory.

| | | | |
|---|---|---|---|
| Oil filled | S | Standard silicone oil (Oil: -40°C ~200°C ; Medium: -40°C ~105°C | |
| | L | Low-temperature silicone oil (Oil: -55°C ~120°C ; Medium: -55°C ~85°C ) | ※ |
| | E | Fluorinated oil (Oil: -55°C ~85°C ; Medium: -20°C ~85°C ) | ※ |

**Note:** Actual medium temperature shall be within the limits of: ① Fill fluid, ② Sensor, and ③ Sealing

| | | |
|---|---|---|
| Process flange bolting | 1 | Bolts, nuts, and other components, 35CrMo Alloy steel |
| | 6 | Bolts, nuts, and other components, 316 SS (Static pressure < 250bar) |
| Process flange mounting | H | Horizontal mounting |
| | E | Vertical mounting ※ |
| Factory calibration range | CAL | Provide MICROSENSOR standard verification report based on the range, default linear output **Contract specifies**: LRL - URL, display unit* |

| Options-Certificates | | Description (Detailed specifications as following, multiple options or null) |
|---|---|---|
| Approvals | /CS1 | CCS, China Classification Society, XA25PTB00010 |
| | /CS2 | DNV, Det Norske Veritas, TAA00000Y1 |
| | /CS3 | BV, Bureau Veritas, 77759/A0 BV |
| | /CS4 | ABS, American Bureau of Shipping, 24-2536413-PDA |
| | /CS5 | LR, Lloyd's Register, LR2520052TA |
| | /CS6 | KR, Korean Register, NAJ50160-AE001 |
| | /CS7 | NK, Nippon Kaiji Kyokai, TA24376M |
| | /CS8 | RS, Russian Maritime Register of Shipping, 24.44.01.01398.266 |
| Metrological certification (Russia & CIS) | /PAC | Pattern Approval Certificate of Measuring Instruments, Russian, 94159-24 |
| | /PBY | Pattern Approval Certificate of Measuring Instruments, Belarus, 18634 |

| Options-specifications | | Description (Detailed specifications as following, multiple options or null) | |
|---|---|---|---|
| Mounting bracket accessories | /G10 | Standard L-bracket, 316 SS | |
| | /G11 | Standard L-bracket, Q235 carbon steel | |
| | /G12 | Standard L-bracket, 316L SS | |
| Process connection accessories | /D3 | T-shaped adapter(M) M20×1.5 and vent tube Φ14mm×2mm×30mm, 316 SS, ×2 | |
| | /D4 | Oval adapter, 1/2-14NPT (F), 316 SS, ×2 | |
| Output signal mode | /SQ | Both the output signal and display are in "square root" format, with the LRL set to zero | |
| Verification report | /Q1 | Provide data according to the customer's template requirements.<br>**Contract specifies:** LRL - URL, display unit and other requirements* | ※ |
| **Note:** Standard Micro Sensor format. For custom formats, please select this option and provide a template | | | |
| Damping time setting | /ST | Adjustable range 0s~100s, default 0s<br>**Contract specifies:** Damping time* | |
| Fault alarm setting | /WH | High alarm current value, 21mA | |
| | /WL | Low alarm current value, 3.7mA, default | |
| Tag plate | /PT | Supplied with 316L SS hanging tag plate.<br>**Contract specifies:** Tag content (max. 16 characters) | |
| Integrated value manifold | /VT | Pressure transmitter is factory assembled with MICROSENSOR valve manifold. See attachment for order guide of valve manifold.<br>**Contract specifies:** Complete model of MICROSENSOR valve manifold* | |
| Leakage test report | /QD1 | $N_2$ or air, 200bar, 1 min hold. Standard Micro Sensor leak test report (Applicable to nominal range 100bar) | ※ |
| | /QD2 | $N_2$ or air, 250bar, 1 min hold. Standard Micro Sensor leak test report (Applicable to nominal range 60mbar~30bar) | ※ |
| | /QD3 | $N_2$ or air, 160bar, 1 min hold. Standard Micro Sensor leak test report (Applicable to nominal range 20mbar) | ※ |
| Bluetooth | /B | Integrated Bluetooth communication | |
| Diaphragm with gold plated | /J2 | High and low pressure side diaphragm with gold plated (5μ) | ※ |
| Oil-free treatment | /CL1 | Degreasing and cleaning treatment of the wetted parts | ※ |
| **Note:** Fluorinated oil (Code: E) shall be selected for oxygen condition. | | | |
| Lithium battery | /LD | General requirements for low copper and zinc in the lithium battery industry (Cu <0.1%, Zn <0.15%) | |

| | | | |
|---|---|---|---|
| Painting | /P1 | PUR coating | ※ |
| Wetted parts material certificate | /LE | Material Traceability Certificate per EN 10204 3.1 | |
| | /NA | Wetted parts (diaphragm and process flange) material certificate per NACE MR0175/ISO 15156 | |
| Language | /LE | English nameplate, operation manual, certificate of conformity, factory verification report. | |
| | /LR | Russian nameplate, operation manual, certificate of conformity, factory verification report. | |
| Delivery service | /XM | In addition to standard documents (certificate of conformity, opertation manual, and factory verification report), any documentation required for project acceptance shall be specified with a detailed list upon ordering | |
| Accuracy | /AL3 | ±0.05% | ※ |
| | /AL4 | ±0.075% | |
| | /AL5 | ±0.1% | |
| | /AL6 | ±0.2% | |
| Warranty period | /Y2 | 2-year warranty | |
| | /Y3 | 3-year warranty | |
| | /Y5 | 5-year warranty | |

***Note:** Specifications for options shall be specified in the contract. Products marked with (※) have extended lead times.

**Example:** MDM7000-DP-0HS1L-1A1S6H/G1-【CAL: 0mbar~50mbar】