

MD-G101 SERIES HIGH-PRECISION PRESSURE TRANSMITTER

TECHNICAL CHARACTERISTICS:

- ✓ Pressure range -0.1MPa~100MPa(optional)
- ✓ 316L stainless steel diaphragm, strong media compatibility
- ✓ Multiple output signals are available: 4-20mA/0-5V/0-10V/RS485
- ✓ Multiple connection and outlets are available



MD-G101 series industrial pressure transmitter adopts the original imported diffusion silicon sensors, with wide temperature range compensation of -10 ~ 70 °C, it has excellent temperature performance.

This series of transmitters adopts instrument-grade amplifiers with strong anti-interference performance. The products have passed the intrinsically safe explosion-proof certification, which guarantees the use in various environments and climate

This series of products are used in various application scenarios that require high measurement accuracy, good long-term stability, and strong anti-interference performance.

APPLICATIONS:

- ◇ Equipment automation
- ◇ Construction machinery
- ◇ Medical equipment
- ◇ Pneumatic and hydraulic systems
- ◇ Farm equipment
- ◇ Hydraulic test stand
- ◇ Test instrument
- ◇ Energy and water treatment systems

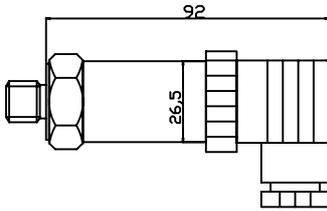
TECHNICAL PARAMETERS:

Range	Gauge: -100kPa...-60...-5...~5kPa...100MPa Differential pressure: -100kPa...-60...-5~5kPa...4MPa Absolute pressure: 0~10kPa...100kPa...2.5MPa
Overload pressure	≤10MPa 200% ; > 10MPa 150%
Response time	≤ 5ms
Accuracy	0.5%FS 0.25%FS 0.15%FS
Long-term stability	Typical: ± 0.1%FS/year
Zero temperature drift	Typical: ± 0.02%FS/°C, Max: ± 0.05%FS/°C
Sensitivity temperature drift	Typical: ± 0.02%FS/°C, Max: ± 0.05%FS/°C
Supply	12~28VDC (Standard 24VDC)
Output	4-20mA / RS485 / 0-5V / 0-10V
Operation temperature	-40~80°C
Compensation temperature	-10~70°C
Storage temperature	-40~100°C
Electrical protection	Anti-reverse protection, anti-frequency interference design
IP rating	IP65(DIN) IP67(cable)
Measurement medium	Gas or liquid incompatible with 316L stainless steel
Connection	M20*1.5,G1/2,G1/4,NPT1/4 (customized)
Shell material	304SS

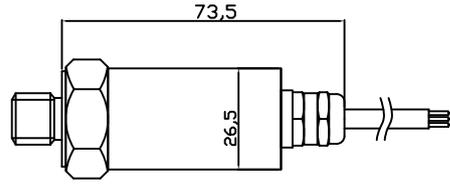


DIMENSION:

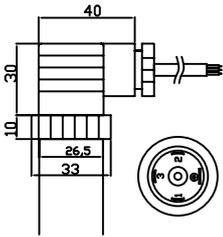
UNIT:mm



■ DIN

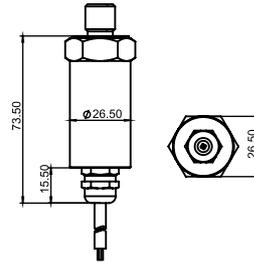


■ Straight out

OUTLET DEFINITION:


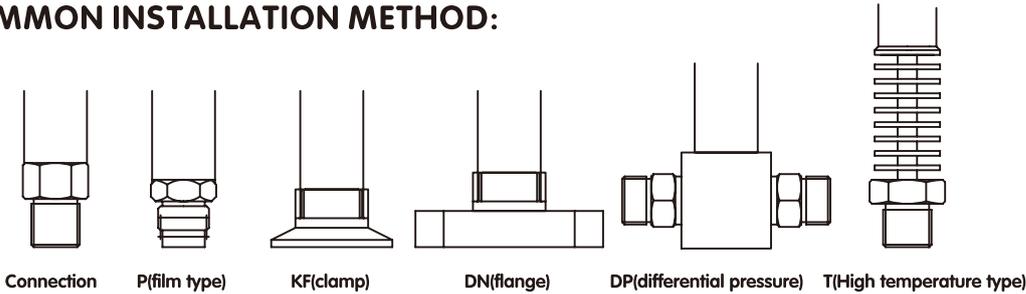
Current output Two wires	1	Power supply+
	2	Output+
	3	Nothing
Voltage output Three wires	1	Power supply+
	2	Power supply-
	3	Output+
RS485	1	Power supply+
	2	Power supply-
	3	Output+
	⊕	Output-

■ DIN



■ Straight out

Current output 4-20mA	Power supply+	Red
	Output+	Black
Voltage output 0-5V 0-10V	Power supply+	Red
	Power supply-	Black
	Output+	Green
RS 485	Power supply+	Red
	Power supply-	Black
	Output+	Green
	Output-	White

COMMON INSTALLATION METHOD:

SELECTION GUIDE:
MD - G101 - P - 10b - 1 - A - P2 - M20 - A - T1
Model:

 G101
(High-precision)
G101A
(Absolute pressure)

Structural features:

 X(thread)
P(film type)
DP(differential pressure)
KF(clamp) DN(flange)
T(High temperature type)

Range:

 X b(0-X bar)
X M(0-X MPa)
X k (0-X kPa)
X P(0-X PSI)

Accuracy:

 1 (0.5% FS) 2(0.25% FS)
3 (0.15% FS)

Measurement temperature:

T1 (-40~+80°C)

Electric connection:

A (DIN) B (Straight out)

Screw thread:

M20 (M20*1.5)	G14 (G1/4)
G12 (G1/2)	N12(NPT1/2)
N14 (NPT1/4)	M9(Customized)
DN 25	DN 50
DN 80	KF 50

Power supply:

P2(12-28V)

Output:

A (4-20mA)	R (RS485)
V1 (0-10V)	V2 (0-5V)

