

MD-G103 SERIES COMPACT PRESSURE TRANSMITTER

TECHNICAL CHARACTERISTICS:

- ✓ Small size, max diameter 22mm, body length <60mm
- ✓ Adopt laser welding integrated structure
- ✓ Adopt diffused silicon sensor as pressure sensitive element with high sensitivity
- ✓ 4-20mA / 0-5V / 0-10V / 0.5-4.5V



MD-G103 series compact pressure transmitter adopts a diffused silicon pressure sensor as a sensitive component, with a compact structure and digital circuit design, and uses integrated laser welding technology to make it compact in structure and resistant to vibration and shock.

This series of transmitters can meet a wide range of 60kPa-100MPa, and with a variety of output such as mini Horseman / M12 air plug / cable, this series of products have better application in many industries.

The transmitter can be used with various inverters, air compressors, hydraulic machines, hydraulic station, automatic production lines, and automatic equipment.

APPLICATIONS:

- ◇ Variable frequency water supply
- ◇ Water pipe network
- ◇ Hydraulic press hydraulic station
- ◇ Machinery and equipment
- ◇ Automatic production line

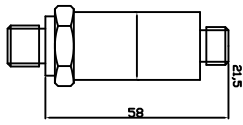
TECHNICAL PARAMETERS:

Range	Gauge: -100kPa...-60...0~60kPa...1.0MPa...10...25...60...100MPa
Overload pressure	≤10MPa 200% ; > 10MPa 150%
Response time	≤ 5ms
Accuracy	0.5%FS 1.0%FS
Long-term stability	Typical: ± 0.3%FS/year
Zero temperature drift	Typical: ± 0.03%FS/°C, Maximum: ± 0.05%FS/°C
Sensitivity temperature drift	Typical: ± 0.03%FS/°C, Maximum: ± 0.05%FS/°C
Power supply	12~28VDC (Standard 24VDC)
Output	4-20mA / 0-5V / 0-10V/0.5-4.5V
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) IP65(M12)
Measurement medium	Gas or liquid incompatible with 316L stainless steel
Connection	G1/4,NPT1/4,ZG1/4,M20*1.5 (customized)
Shell material	304SS

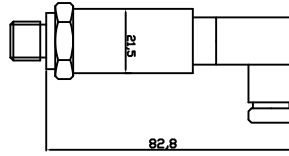


DIMENSION:

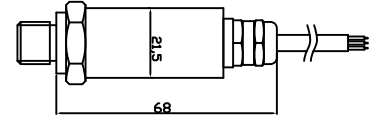
UNIT:mm



M12 aviation plug



DIN



Straight out

OUTLET DEFINITION:



Current output Two wires	1	Power supply+
	4	Output+
Voltage output Three wires	1	Power supply+
	3	Output+
	4	Power supply-

M12 aviation plug



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

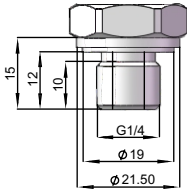
DIN



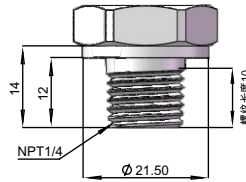
Current output Two wires	Power supply+	Red
	Output+	Black
Voltage output Three wires	Power supply+	Red
	Power supply-	Black
	Output+	Green

Straight out

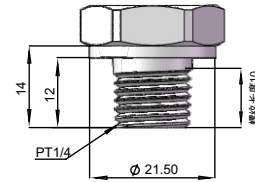
CONNECTION:



G1/4



NPT1/4



PT1/4

SELECTION GUIDE:

MD - G103 - 10b - 1 - A - P2 - G14 - A - T1

Model:

G103
(Universal)
G103A
(Absolute pressure)

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)
6 (1.0% FS)

Measurement temperature:

T1 (-40~+80°C)

Electric connection:

A (DIN) B (Straight out)
C(M12 aviation plug)

Screw thread:

G14 (G1/4) G12(G1/2)
N14 (NPT1/4) P14(PT1/4)
M20 (M20*1.5) M9(Customized)

Power supply:

P2(12-28V)

Output:

A (4-20mA) V1 (0-10V)
V2 (0-5V) V3 (0.5~4.5V)

