

MD-G601 SERIES HYDRAULIC PRESSURE SENSOR

TECHNICAL CHARACTERISTICS:

- ✓ Integrated welding sensor, resistant to repeated high pressure shocks
- ✓ Compact design, small size, easy to install
- ✓ Anti-electromagnetic interference design, good circuit stability
- ✓ Designed for high pressure and frequent impact conditions such as hydraulic machines and fatigue machines



The MD-G601 series pressure sensor is designed for the special requirements of pressure sensors in hydraulic and servo systems, and is especially suitable for the use conditions of strong vibration and shock pressure. The design includes anti-electromagnetic interference measures to improve the stability of the work under the conditions of strong magnetic interference with electric pumps and frequency conversion equipment.

This series of pressure sensor adopts all stainless steel sealing and welding structure to ensure its ruggedness, good moisture resistance and excellent media compatibility, so it is widely used in various fields.

This series of pressure sensors are suitable for the requirements of hydraulic systems, such as engines, hydraulic forming machines, large compressors, electric oil pump hydraulic jacks and other equipment.

APPLICATIONS:

- ◇ Hydraulic Machine ◇ Hydraulic station ◇ Fatigue machine
- ◇ Pneumatic and hydraulic systems ◇ Pressure tank ◇ Hydraulic test stand
- ◇ Test instrument ◇ Energy and water treatment systems

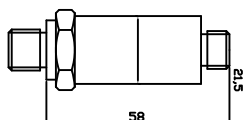
TECHNICAL PARAMETERS:

Range	0~6...10...25...60...100MPa
Overload pressure	≤10MPa 300% ; > 10MPa 200%
Package Structure	Welding integration
Response time	≤ 2ms
Accuracy	0.25%FS 0.5%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 (typical 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 or M12) IP67(cable)
Measurement medium	Gas or liquid incompatible with stainless steel
Connection	M20*1.5, G1/2, G1/4(customized)
Shell material	SS304/SS316L

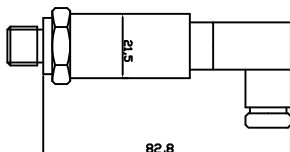


DIMENSION:

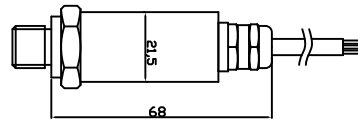
UNIT:mm



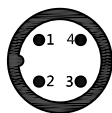
■ M12 aviation plug



■ DIN



■ Straight out

OUTLET DEFINITION:


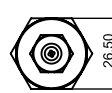
Current output Two wires	1	Power supply+
	4	Output+
Voltage output Three wires	1	Power supply+
	3	Output+
	4	Power supply-
RS 485	1	Power supply+
	2	B
	3	A
	4	Power supply-

■ M12 aviation plug



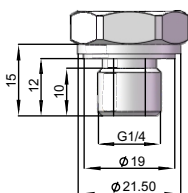
Current output Two wires	1	Power supply+
	2	Output+
	3	Nothing
Voltage output Three wires	1	Power supply+
	2	Power supply-
	3	Output+
RS 485	1	Power supply+
	2	Power supply-
	3	A
	4	B

■ DIN

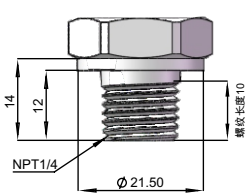


Current output Two wires	Power supply+	Red
	Output+	Black
Voltage output Three wires	Power supply+	Red
	Power supply-	Black
	Output+	Green
RS 485	Power supply+	Red
	Power supply-	Black
	A	Green
	B	White

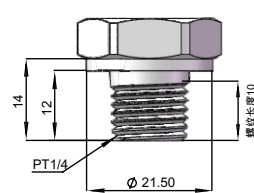
■ Straight out

CONNECTION:


■ G1/4



■ NPT1/4



■ PT1/4

SELECTION GUIDE:
MD-G601-60M-1-A-P2-M20-A-T1
Model:

 G601
(Hydraulic pressure)

Range:

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

Accuracy:

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

Output:

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

Measurement temperature:

T1 (-40~+80°C)

Electric connection:

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

Screw thread:

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

Power supply:

P2(12-28V)

