

MD-G305 SERIES HIGH FREQUENCY PRESSURE TRANSMITTER

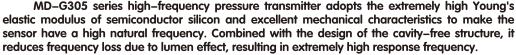
TECHNICAL CHARACTERISTICS:

- High-frequency response design, the highest response frequency can reach 500kHz, and the response time is less than 2 μ s
- Min range 0 ~ 1kPa, max range 100MPa, compound range optional

Resistant to instantaneous high temperature, can be used for high

- Flat package design eliminates lumen effects
- frequency pressure test of chemical explosion

 MD-G305 series high-frequency pressure transmitter adopts the extremely high Young's



It is based on semiconductor silicon that can statically calibrate its accuracy, and with the unique high–frequency response circuit, the transmitter part also has a very high response bandwidth. It is also convenient for sensor calibration and long–term performance monitoring.

MD-G305 series is designed for scientific experiments such as military engineering, chemical explosion experiments, mechanics, civil engineering, rock mechanics, and hydraulic power machinery tests

APPLICATIONS:

- ♦ Dynamic pressure measurement ♦ Various blasting shock wave measurements
- ♦ Free-field pressure measurement ♦ Military engineering blasting
- ♦ High & low pressure dynamic measurement of hydraulic fluid
- **♦** Hydraulic and pneumatic systems

TECHNICAL PARAMETERS:

Danas	-1001010 ~ 11060100kPa
Range	0~0.111060100MPa
Overload pressure	≤10MPa 200%FS; > 10MPa 150%FS
Response frequency	20kHz~500kHz(Depend on the range and structure)
Response time	2 μ s~50 μ s(Depending on the range and structure)
Accuracy	0.5%FS 0.25%FS
Long—term stability	Typical: ± 0.25%FS/year
Zero temperature drift	Typical: ± 0.03%FS/°C, Max: ± 0.05%FS/°C
Sensitivity temperature drift	Typical: ± 0.03%FS/°C, Max: ± 0.05%FS/°C
Power supply	12~28VDC(typical 24VDC)
Output	0~10V / 0~5V
Operation temperature	-40~80°C
Compensation temperature	0~70℃
Storage temperature	-40~100°C
Electrical protection	Anti–reverse connection protection, anti–frequency interference design
IP rating	IP65(DIN Outlet) IP68(Straight out)
Measurement medium	Non–corrosive, non–conductive media compatible with silicon, 304 stainless steel
Connection	M20*1.5,G1/2(Other can be customized)
Shell material	30455

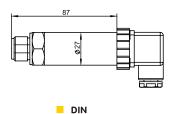


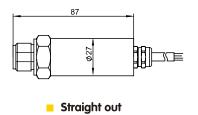




DIMENSION:

UNIT:mm





OUTLET DEFINITION:



Voltage output 0–5V 0–10V	1	Power supply+
	2	Power supply-
	=	Output+

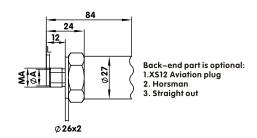


Voltage output 0–5V 0–10V	Power supply+	Red
	Power supply-	Black
	Output+	Green

DIN

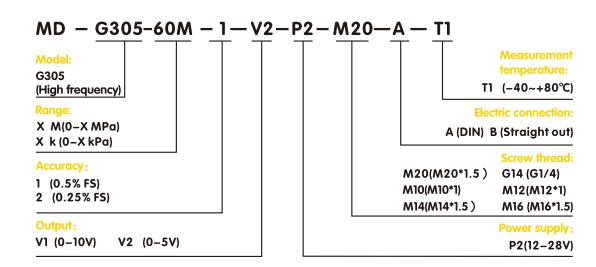
Straight out

COMMON THREAD:



MA	ØΑ	L
M10*1	Ø8.5	2
M12*1	Ø10.5	2
G1/4	Ø11.5	2
M14*1.5	Ø12	2
M16*1.5	Ø14	2
M20*1.5	Ø17	2

SELECTION GUIDE:



上海铭控传感技术有限公司

