[Analog output Type]



A241

Piezoresistive diffusion silicon of metal diaphragm

FEATURES

- **■** Superior Long term Stability
- Provides a high level output
- **■** Linear Amplified Output
- **■** Excellent Repeatability & Hysteresis
- **■** Temperature Compensated
- **EMI/RFI Protection**
- Customizable

The A2410DM(CM) series uses a stainless steel diaphragm filled with silicone oil and a piezoresistive diffusion silicon type as the sensing element, providing excellent resistance to most liquids and chemicals when mounted.

Ruggedness and reliability are also enhanced by a stainless steel housing to resist corrosion pressure sealing for media compatibility is provided by selection of Non-welding Sealing type. Metal sensing element contains and integral, reliable, solid state, custom ASIC



APPLICATIONS

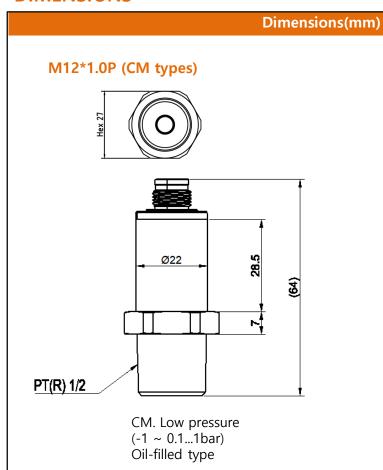
- ✓ Pneumatic and Hydraulic controls
- ✓ Pump and Compressors
- ✓ Refrigeration units
- ✓ Agricultural technology
- ✓ Energy and Water Management
- ✓ Environmental control systems

5 3.	s and integral, reliable, solid state, custom AS	,
P	ERFORMANCE SPECIFICATION	IS .
PARAMETERS	Current (2-Wire)	Voltage (3-Wire)
Output	4~20mA	0~5V, 0.5~4.5V, 1~5V, 0~10V
Power Supply	8~30VDC [Option]	
Electric Connection	M12, DIN43650C, Etc. [Option]	
Pressure Range	±500mmH2O, 1000mmH2O, ±250mb, ±500mb, Etc. [Option]	
Operating Temp. Range	-40 to	125℃
Compensated Temp. Range	-20 to 80°C	
Accuracy	≤±0.5%F.S [Typical/25°C]	
Total Error band	≤±1.5%F.S [Typical]	
Hysteresis and repeatability	≤±0.1%F.S [Typical] / ≤±0.15%F.S [MAX]	
Pressure Port	R(PT)1/4, R(PT)1/2, Etc. [Option]	
Wetted Port material	STS316	
Body / Pressure Port material	STS316	
Electric connection material	PA66+GF30 gold plated Pin	
Enclosure	IP65(DIN43650), IP67	
Over Pressure / Burst Pressure	2xF.S. / 5xF.S.	
Response time 10~90%	≤2	ms
Withstand voltage	500V AC (1minutes between	case and all terminals tied)
Insulation resistance	Greater than 100MΩ (20V DC bet	tween case and all terminals tied
Mechanical life cycle	1,000,00	00/cycle
Circuit protection	Reverse polarity protect	ted. (Power supply +/-)
Shock proof	1000m/s² (6ms or less,X,Y,Z 3tim	es for each at constant temp.)
Vibration proof	200m/s² (10~1000Hz, Y:4h,	Z:2h at constant temp.)
Pressure medium	Non-corrosive mediur	n(Air, Water, Oil, Gas)
Weight	100g (M12	Connector)

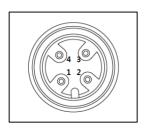
[Analog output Type]



DIMENSIONS

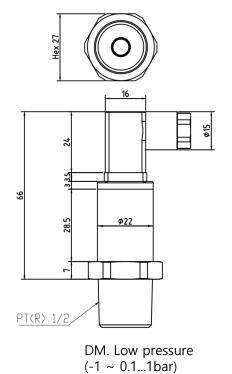


ELECTRONICAL CONNECTIONS



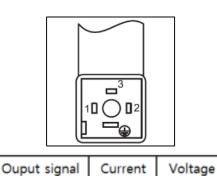
Ouput signal	Current	Voltage
1	Power(+)	Power(+)
2	NC	Output
3	Power(-)	GND
4	NC	NC

DIN43650C (DM types)



Oil-filled type

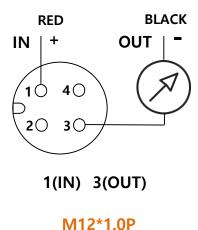
ELECTRONICAL CONNECTIONS

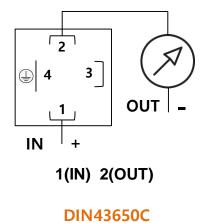


[Analog output Type]

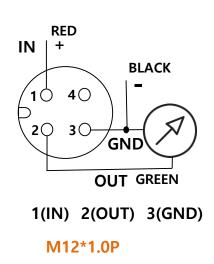


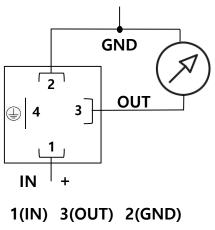
Current Output(2-Wire)





Voltage Output(3-Wire)





[Analog output Type]



Ordering Information

A2410D-133G

12 3456

1. Power Supply	
0	8~30VDC
1	5VDC

2. Connection		
Α	Deutsch DT04-3P	
В	Packard Metri-Pack	
С	M12*1.0P (C, CM)	
D	DIN43650C (D, DM, DA)	
Е	Fixed Cable	
F	Deutsch DT04-4P	
G	HW090 6181-0072	
Н	Superseal series 1.5	
ı	Other	

3. Output	
1	4~20mA
2	0~5V
3	0.5~4.5V
4	1~5V
5	0~10V

4. Pressure Port	
1	G(PF)1/4
2	G(PF)1/2
3	R(PT)1/4
4	R(PT)1/2
5	9/16-18 UNF(M)
6	7/16-20 UNF(Fe)
7	7/16-20 UNF(M)
8	Other

5. F	Pressure Range
V	± 250mb
W	± 500mb
Х	± 250mmH2O
Υ	± 500mmH2O
Z	0~1000mmH2O
1	-1~15bar
2	-1~35bar
3	0~10bar
4	0~16bar
5	0~20bar
6	0~25bar
7	0~30bar
8	0~35bar
9	0~50bar
Α	0~100bar
В	0~200bar
С	0~250bar
D	0~500bar
Е	Other

6. Pressure Type	
G	Gage
Α	Absolute

[Analog output Type]



Cable accessories

Туре	Description
Cable with ROUND Packard Metri-Pack mating connector	1m with outer sheath
Cable with ROUND Packard Metri-Pack mating connector	2m with outer sheath
Cable with ROUND Packard Metri-Pack mating connector	3m with outer sheath
Cable with M12*1-4P mating connector	1m with outer sheath
Cable with M12*1-4P mating connector	2m with outer sheath
Cable with M12*1-4P mating connector	3m with outer sheath
Cable with Deutsch(DT04-3P) mating connector	1m
Cable with Deutsch(DT04-3P) mating connector	2m
Cable with Deutsch(DT04-3P) mating connector	3m
Fixed Cable	1m with outer sheath
Fixed Cable	2m with outer sheath
Fixed Cable	3m with outer sheath



Head Office: B-722, 236, Jubuto-ro, Bupyeong-gu, Incheon, Republic of Korea, 21330

Factory: 236, Jubuto-ro, Bupyeong-gu, Incheon, Republic of Korea, 21330

www.a1company.co.kr, +82 32 624 1021, june@a1company.co.kr

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