

Model SIG(DL)

Explosion Proofed Differential Pressure Transmitter with Local Indication

Description

SIG(DL) 모델은 방폭(Ex d IIC T6) 및 방수(IP67) 기능이 있어 위험 지역 및 방수가 필요한 장소에 적합합니다. 4-1/2 Digit Backlight LCD를 탑재하여 최대 ± 19999 까지 표시할 수 있을 뿐만 아니라 어두운 곳에서도 볼 수 있습니다. 아날로그 출력, 릴레이 출력 및 RS-485 통신, 압력 단위 변환기 및 스케일 조정 기능을 다양한 컨트롤러와 함께 사용할 수 있습니다.

Features

- ▶ CE Certified
- ▶ Explosion proof approval to Ex d IIC T6, IP67
- ▶ 4 1/2 digit Backlight LCD display
- ▶ Built-in amplifier circuit(VDC, mA)
- ▶ Optional 2-channel Relay output
- ▶ Measuring range 5kPa ... 3.5MPa
- ▶ 0.2%FS accuracy

Applications

- ▶ Process control & monitoring
- ▶ Hydraulics & Pneumatic
- ▶ Chemical & Petrochemical
- ▶ Liquid level measurement

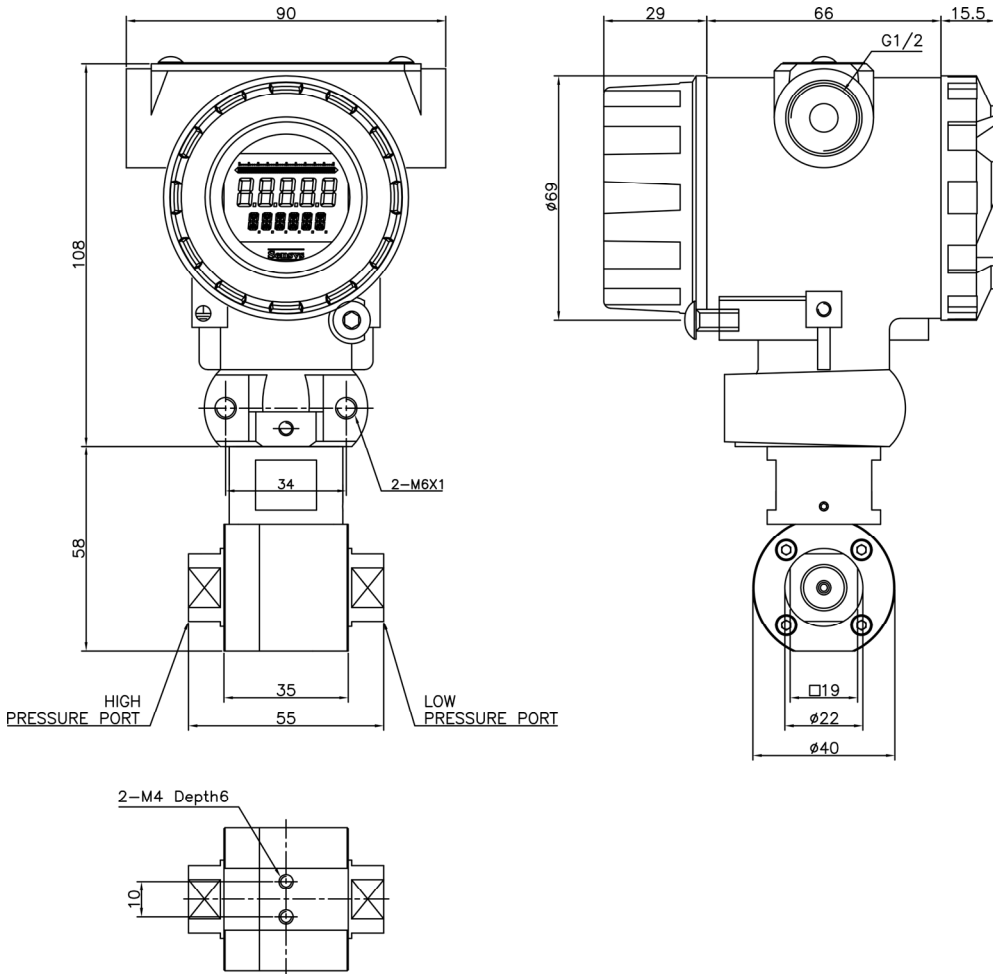


Specifications

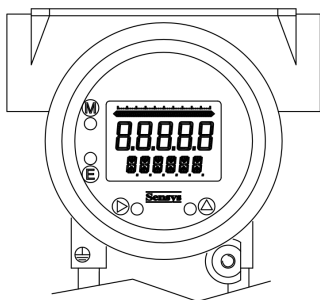
	2Wire Output	3Wire Output
Range	0~5kPa ... 3.5 MPa	
Performance		
Accuracy	$\pm 0.2\%FS \pm 1\text{digit}$	
Thermal Effect on Zero	$\pm 0.03\%FS / ^\circ C$	
Thermal Effect on Span	$\pm 0.03\%FS / ^\circ C$	
Ambient Temperature Range	$-20 \sim 60^\circ C$	
Process Temperature Range	$-40 \sim 120^\circ C$	
Electrical		
Display	$\pm 19999(4 \text{ 1/2})$ Backlight LCD	
Excitation	11~28VDC	17~28VDC
Output		
Analog	4~20mA(2Wire)	4~20mA(3Wire), 0~5V, 1~5V, 0~10V
Switching(Optional)	-	2Ch Relay(3A 30VDC / 3A 250VAC)
Digital(Optional)		RS485
Response Time	0.1~1sec	
Electrical Connection	G(PF) 1/2"	
Physical		
Proof Pressure	Positive Pressure X3, Negative Pressure X3 (For high-end port, rated or 7MPa whichever is less; for low-end port, rated or 1MPa whichever is less.)	
Line(Common Mode) Pressure	7MPa	
Vibration	$49.1m/s^2\{5G\}$, 10~500Hz	
Shock	$490m/s^2\{50G\}$	
Pressure Port	R(PT)1/4"(F), UNF 7/16(Flare Fitting)	
Media-Wetted Materials	SS316L, VITON	
Explosion Proof	Ex d IIC T6	
Protection	IP67	

Dimension

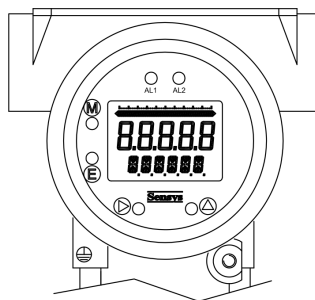
► Out Dimension



► Front Panel

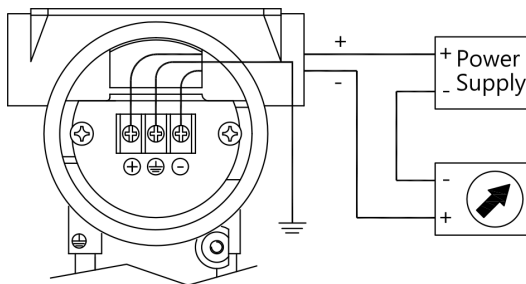


Non Switching Output Type

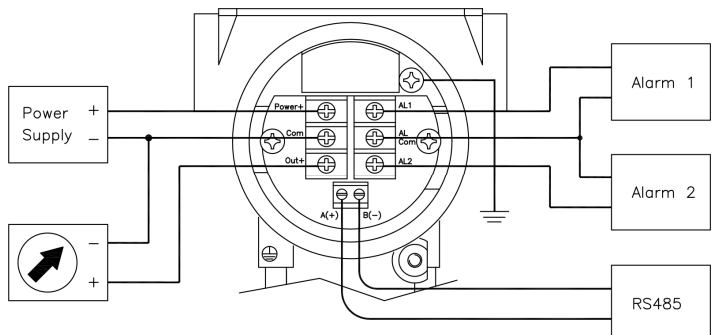


Switching Output Type

► Connection

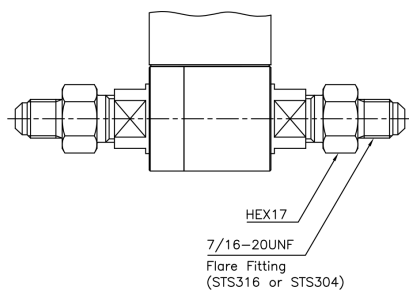


2Wire Output Type



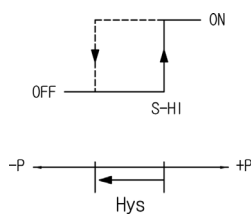
3Wire Output(Option : Switching Output, RS485)

► Flare Fitting(Optional)

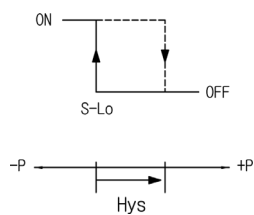


Alarm Mode

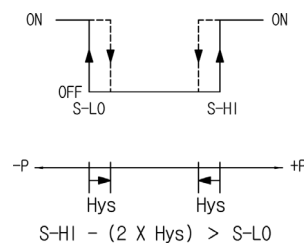
► Hi Mode



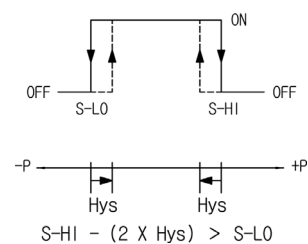
► Low Mode



► A Mode



► B Mode



Ordering Information

SIG H A 0100 R 1 D S - □	
Model Name	Option
Analog Output	Accuracy
C : 0~5V	S : 0.2%FS
E : 1~5V	Type of Pressure Measurement
G : 4~20mA(3Wire)	D : Differential
H : 4~20mA(2Wire)	Pressure port
J : 0~10V	1 : R(PT)1/4"(Female)
Switching Output	2 : UNF 7/16(Flare Fitting)
A : None	V : Other Connection
B : 2-Ch. Relay	*. Flange & Other Connection
C : RS485	Available on Request
D : 2-Ch. Relay, RS485	Pressure Unit
Pressure Range	R : kPa M : MPa
XXXX : Pressure	B : bar K : kgf/cm ²
CXXX : Compound Pressure	P : psi H : mmHg
차압범위 : 0~5 kPa...3.5 MPa	D : mmH ₂ O C : cmH ₂ O