

Model SDG

Explosion Proofed Pressure Transmitter with Local Indication

Description

SDG model accurately measures gauge, absolute vacuum pressure and transmit proportional 4 to 20mA signal. The transmitter with LCD display being explosion proofed bring true precision and reliability to industrial pressure monitoring applications. It offers you with a very competitive price and high quality.

Features

- ▶ Explosion proof approval to Ex d IIB T4(Only 2wire mA Output)
- ▶ 3 1/2 digit LCD display
- ▶ Built-in amplifier circuit(VDC, mA)
- ▶ Optional 2-channel switching output (Relay output or NPN open collector output)
- ▶ Measuring range 0~150MPa
- ▶ 0.2 / 0.5%FS accuracy
- ▶ 11~28VDC or 110~220VAC(50~60Hz) excitation voltage

Applications

- ▶ Process control & monitoring
- ▶ Hydraulics & Pneumatic
- ▶ Chemical & Petrochemical
- ▶ Liquid level measurement
- ▶ Food & Pharmaceutical
- ▶ Gas transmission pipe-line
- ▶ Plant utilities monitoring

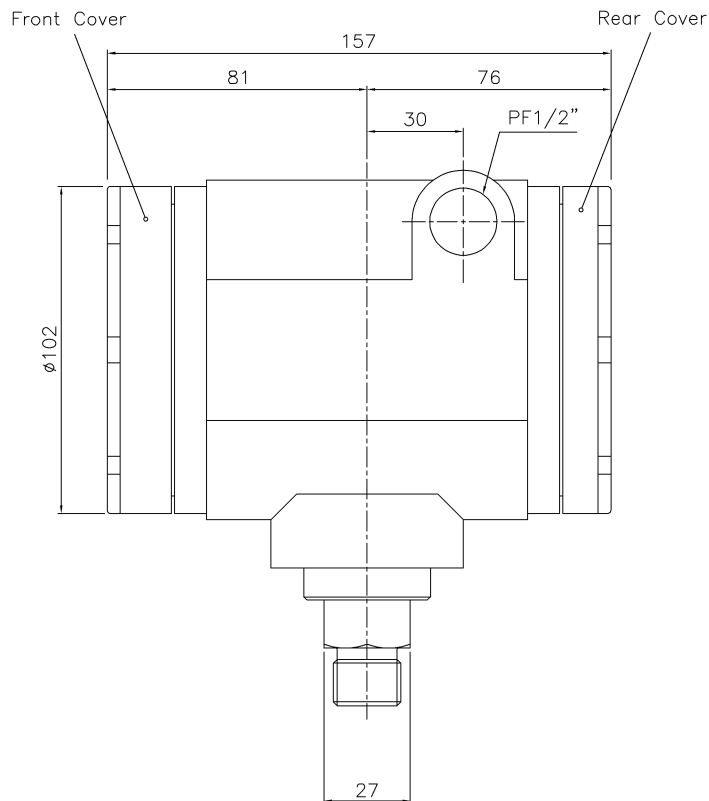
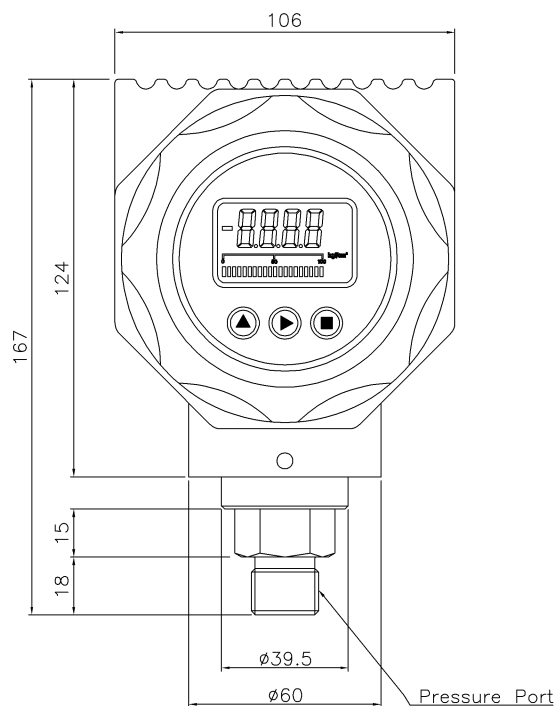


Specifications

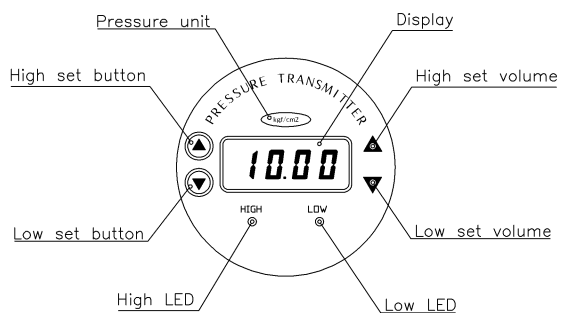
	SDGH	SDGS
Range	0 ~ 5,10,20,30,50,100,200,300,500,700kPa 2,3,5,7,20,35MPa(Gauge) -100~-0,30,50,100,200,300,500,700kPa (Gauge) 0~100,200,300,500,700kPa /2,3,5,7,20,35MPa (Absolute)	0~50,100,150MPa(Gauge)
Performance		
Accuracy	±0.2%FS ± 1digit	±0.5%FS ± 1digit
Thermal Effect on Zero	±0.03%FS/°C	±0.06%FS/°C
Thermal Effect on Span	±0.03%FS/°C	±0.06%FS/°C
Compensated Temperature Range	-10 ~ 70°C	
Operating Temperature Range	-20 ~ 80°C	
Electrical		
Display	±1999(3 1/2) Digit LCD	
Excitation	11 ~ 28VDC, 85~264VAC(50~50Hz)	
Output		
Switching Signal	2Channel Relay, 2Channel NPN Open Collector	
Analog Signal	4~20mA(2, 4 Wire), 0~5VDC, 1~5VDC, 0~10VDC	
Electrical Connection	G(PF) 1/2", Cable Gland	
Physical		
Proof Pressure	200%FS Max.	150%FS Max.
Burst Pressure	300%FS Min.	200%FS Min.
Vibration	49.1m/s ² {5G}, 10~500Hz	
Shock	490m/s ² {50G}	
Pressure Port	R(PT)3/8",G(PF)3/8",R(PT)1/2",G(PF)1/2", Flange & Other Connection Available on Request	
Media-Wetted Materials	Stainless Steel 316, VITON Stainless Steel 316, Titanium 87%, EPDM	
Explosion Proof	Ex d IIB T4(4~20mA 2wire output type only)	
Weight	Approx. 2kg (Standard type only)	

Dimension

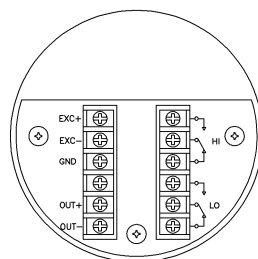
► Out Dimension



► Switching Output Type

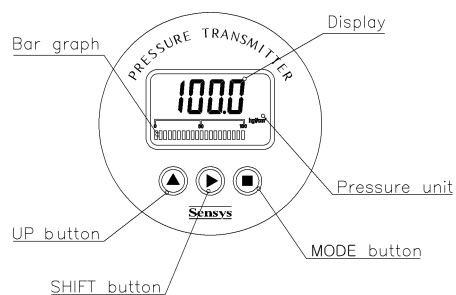


Front Panel

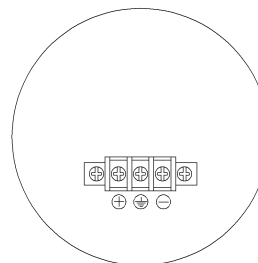


Terminal

► 2wire mA Output Type



Front Panel



Terminal

Ordering Information

SDGH H A 0100 R E A G									
Model Name				Type of Pressure Measurement					
SDGS : Accuracy 0.5%FS				G : Gauge					
SDGH : Accyracy 0.2%FS				J : Absolute					
Analog Output				Excitation					
B : 0~5V				A : 11~28VDC					
D : 1~5V				B : 85~264VAC					
F : 4~20mA(4Wire)				(50~60Hz)					
H : 4~20mA(2Wire)				Pressure port					
K : 0~10V				A : R(PT)3/8" B : G(PF)3/8"					
Switching Output				E : R(PT)1/2" Q : G(PF)1/2"					
A : None				*. Flange & Other Connection					
B : 2-Ch. Relay				Available on Request					
C : 2-Ch. NPN Open Collector				Pressure Unit					
Pressure Range				R : kPa M : MPa					
XXXX : Pressure				B : bar K : kgf/cm ²					
CXXX : Compound Pressure				P : psi H : mmHg					
				C : cmH ₂ O					