

Model SIG(HP)

Explosion Proof Pressure Transmitter

Description

SIG(HP) model, has Explosion Proof(Ex d IIC T6) and water-proof(IP67) is idle for a danger area and at the place is required to be waterproofed.

Features

- ▶ Explosion proof approval to Ex d IIC T6, IP67
- ▶ Built-in amplifier circuit(VDC, mA)
- ▶ Measuring range -0.1~250MPa
- ▶ 0.035%FS accuracy

Applications

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



Specifications

Range

0~100kPa...250MPa(Gauge)
-100kPa~0...250MPa(Gauge)
0~100kPa...70MPa(Absolute)

Performance

Accuracy	±0.035%FS
Thermal Effect on Zero	±0.025%FS
Thermal Effect on Span	±0.025%FS
Ambient Temperature Range	-20~60°C
Process Temperature Range	-40~120°C

Electrical

Excitation	11~28VDC
Output	4~20mA(3Wire), 0~5V, 1~5V, 0~10V
Electrical Connection	G(PF) 1/2"

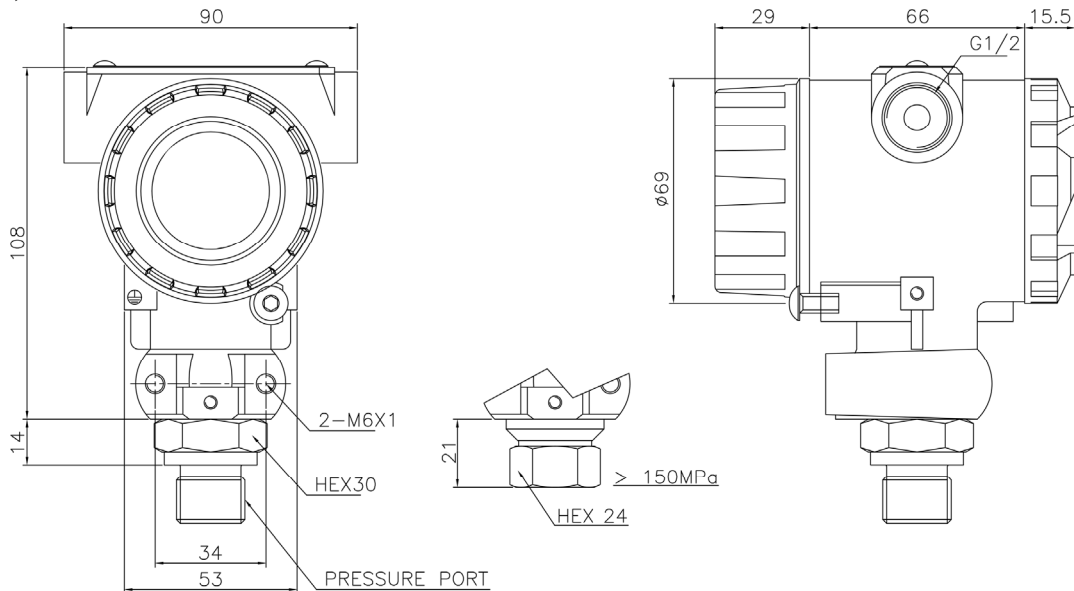
Physical

Proof Pressure	-0.1~70MPa : X3 or 140MPa ¹⁾ 71~150MPa : X1.5 or 150MPa ¹⁾ > 150MPa : X1.5 or 500MPa ¹⁾
Vibration	49.1m/s ² {5G}, 10~500Hz
Shock	490m/s ² {50G}
Pressure Port	R1/4", G1/4", R3/8", G3/8", R1/2", G1/2", 9/16UNF Female(Only > 1500bar), Flange & Other Connection Available on Request
Media-Wetted Materials	SS316L, VITON or SS316L, Ti 87%
Explosion Proof	Ex d IIC T6, IP67
Protection	IP67
Weight	Approx. 1kg

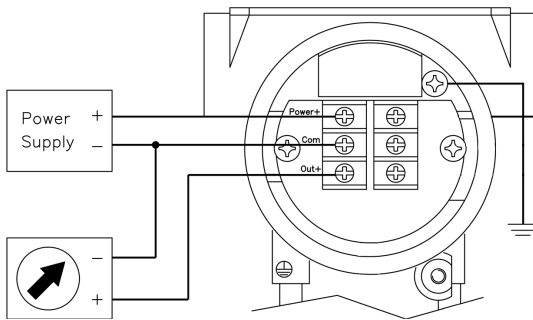
¹⁾ Whichever is less.

Dimension

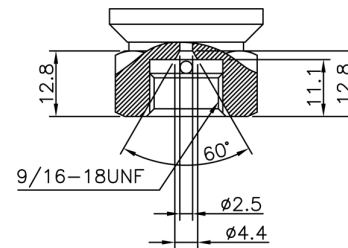
► Out Dimension



► Connection



► Pressure Port(> 1500bar)



Ordering Information

Model Name				Accuracy	
SIG G A 0100 R A G H				H : 0.035%FS	
Analog Output				Type of Pressure Measurement	
C : 0~5V J : 0~10V E : 1~5V G : 4~20mA(3Wire)				G : Gauge J : Absolute	
Switching & Digital Output				Pressure port	
A : None				A : R(PT)3/8" B : G(PF)3/8" C : R(PT)1/4" D : G(PF)1/4" E : R(PT)1/2" Q : G(PF)1/2" K : 9/16-18 UNF(F) (Only > 1500bar) *. Flange & Other Connection Available on Request	
Pressure Range					
XXXX : Pressure CXXX : Compound Pressure					
Pressure Unit					
R : kPa M : MPa B : bar K : kgf/cm ² P : psi H : mmHg C : cmH ₂ O					