Model PBM

Wall Mounting Type Pressure Transmitter

Description

PBM model is high precise and its media-wetted materials are composed of stainless steel 316, having excellent corrosion-resistant properties. It is applied to precise measurement and builds an amplifier therein to interface with various kinds of controllers. Wall Mounting type which is easy to attach on wall.

Features

- mA output
- Measuring range 0~70MPa
- 0.15%FS accuracy
- Gauge and absolute measurement
- Piezoresistive silicon cell
- Stainless steel(316L) media-wetted materials

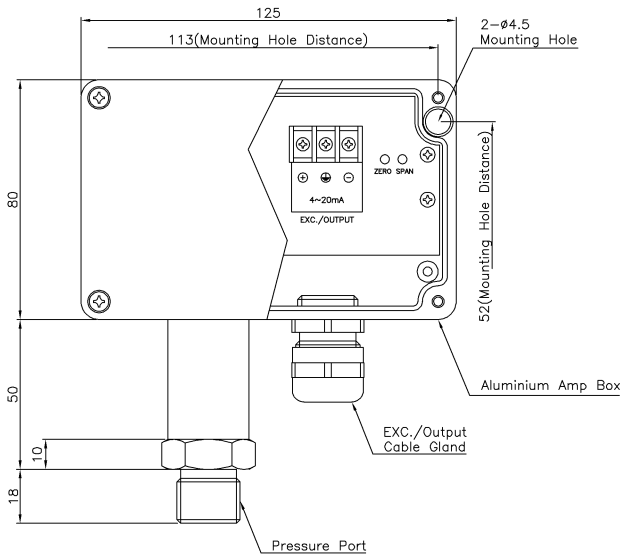
Applications

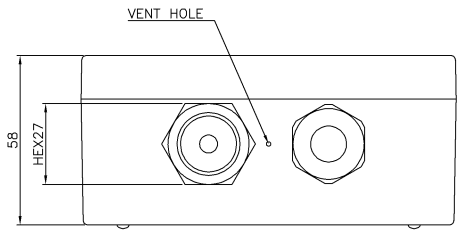
- Ship & Marine System
- Process control
- Hydraulics & Pneumatic
- Pump Speed Control
- Compressor Control

Specifications

Range	
	0 ~ 5kPa ... 70MPa(Gauge)
	-100kPa ~ 0 ... 70MPa (Gauge)
	0 ~ 35kPa ... 70MPa (Absolute)
Performance	
Accuracy	±0.15%FS(RSS)
Thermal Effect on Zero	±0.03%FS/℃
Thermal Effect on Span	±0.03%FS/℃
Compensated Temperature Range	-10 ~ 70℃
Operating Temperature Range	-20 ~ 80℃
Electrical	
Excitation	11 ~ 28VDC
Output	4~20mA(2Wire)
Electrical Connection	Cable Gland
Physical	
Proof Pressure	X3 or 140MPa, Whichever is less.
Burst Pressure	X4 or 210MPa, Whichever is less.
Vibration	49.1m/s^2{5G}, 10~500Hz
Shock	490m/s^2{50G}
Pressure port	R(PT)1/4", G(PF)1/4", R(PT)3/8", G(PF)3/8", R(PT)1/2", G(PF)1/2"
Media-Wetted Materials	Stainless Steel 316L, VITON
Weight	Approx. 700g

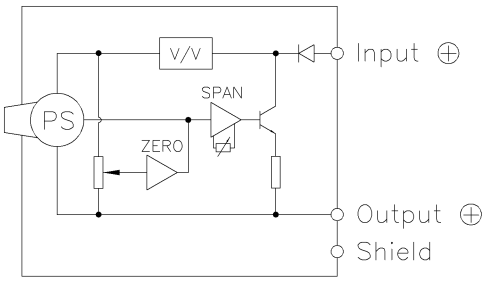
Dimension





No.	Connections
	2Wire
+	Input ⊕
⏚	Earth
-	Output ⊕

Internal Circuit Diagram



Ordering Information

PBM H 0100 R A S G

Model Name

Output
H : 2Wire 4~20mA

Pressure Range
XXXX : Pressure
CXXX : Compound Pressure

Pressure Unit

R : kPa	M : MPa
B : bar	K : kgf/㎠
P : psi	H : mmHg
C : cmH_2O	

Pressure port

A : R(PT)3/8"	D : G(PF)1/4"
B : G(PF)3/8"	E : R(PT)1/2"
C : R(PT)1/4"	Q : G(PF)1/2"

Connecting Methods
S : Cable Gland

Type of Pressure Measurement
G : Gauge
J : Absolute

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· Specifications are subject to change without notice.