Model PSR

4~20mA Output Low Cost Pressure Transmitter

Description

The PSR model which is pressure transmitters feature high quality, high stability, small size, low weight, compact structure, low cost and mass production. Stainless steel body are ideal for industrial environment.

Features

- 4~20mA(2wire) Output
- Measuring range 0~35kPa ... 60MPa
- 0.5%FS accuracy
- Piezoresistive silicon cell
- Stainless steel media-wetted materials



Applications

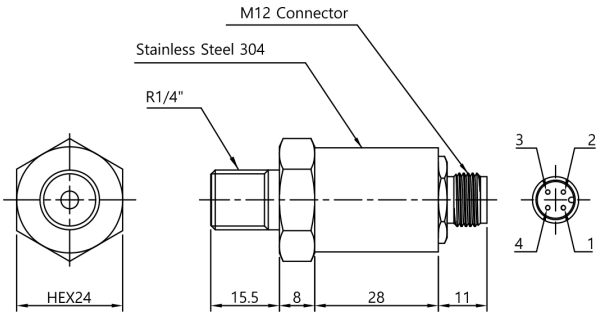
- Process control
- Hydraulics & pneumatic system
- Gas monitoring
- Compressor
- Refrigerator

Specifications

Range	0~35, 70, 100, 250, 400, 600kPa(Gauge) 0~1, 1.6, 2.5, 4, 6, 10, 16, 25, 40, 60MPa(Sealed Gauge) 0~100, 250, 400kPa, 1MPa(Absolute)
Accuracy	±0.5%FS
Hysteresis	±0.1%FS
Repeatability	±0.1%FS
Thermal Effect	±1.5%FS(35kPa : ±2%FS)
Compensated Temperature Range	-20 ~ 85℃ (35kPa : 0 ~ 60℃)
Medium Temperature Range	-30 ~ 105℃
Excitation	12 ~ 36VDC
Output	4~20mA(2Wire)
Electrical Connection	M12 Connector, Mini DIN Connector, Cable
Proof Pressure	150%FS (100MPa : 120%FS)
Burst Pressure	300%FS (60Mpa : 200%FS, 100MPa : 150%FS)
Media-Wetted Materials	Stainless Steel 304/316L
Protection	IP65 (Gauge Pressure Type : IP55)

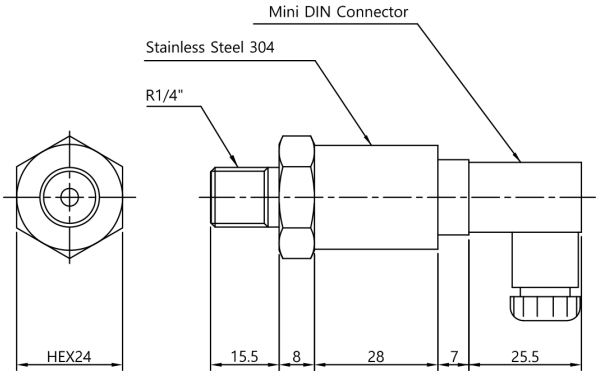
Dimension

▶ M12 connector Type



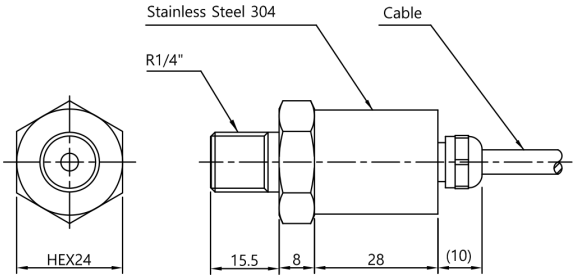
Pin No.	Connections
1	Input ⊕
2	Output ⊕
3	×
4	×

▶ Mini DIN connector Type



Pin No.	Connections
1	Input ⊕
2	Output ⊕
3	×
⏚	×

▶ Cable Type



Wire Color	Connections
Red	Input ⊕
Green	Output ⊕

Ordering Information

PSR H 0100 R C M G

Model Name

Output
H : 2Wire 4~20mA

Pressure Range
XXXX : Pressure

Pressure Unit
R : kPa M : MPa
P : psi

Pressure port
C : PT1/4"

Connecting Methods
E : M12 connector
M : Mini DIN connector
S : Cable

Type of Pressure Measurement
G : Gauge or Sealed Gauge
J : Absolute

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