

Pressure Sensor For General Fluids

Series PSE560



Features

- ➔ Remote sensor for fluids and wet air
- ➔ All wetted parts stainless steel
- ➔ 1-5v or 4-20mA analogue output
- ➔ Choice of connection thread types
- ➔ Robust metal case
- ➔ IP65 splashproof construction
- ➔ Available for positive and vacuum pressures
- ➔ Can be specified with connector for SMC display units



How to Order

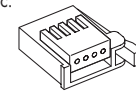
Pressure sensing range	
0	Positive pressure (0 to 1 MPa)
1	Vacuum (0 to -101 kPa)
3	Compound pressure (-100 to 100 kPa)
4	Positive pressure (0 to 500 kPa)

PSE56 0 01 [] C2

Port size	
O1	R 1/8 (With M5 female thread)
O2	R 1/4 (With M5 female thread)
C01	1/8
A2	URJ 1/4
B2	TSJ 1/4

Output specifications	
Nil	Voltage output type 1 to 5 V
28	Current output type 4 to 20 mA

Option (Connector)	
Nil	C2
Without	Connector for PSE300 or PSE200 displays 1 pc.



Note 1) Current output type cannot be connected to PSE200 or PSE300.

Note 2) The connector is not connected to the cable and is supplied loose at the time of shipment.

Accessories

Description	Part no.	Note
Connector for PSE300	ZS-28-C	1 pc.

Specifications

Conforms to CE marking and UL (CSA) standards.

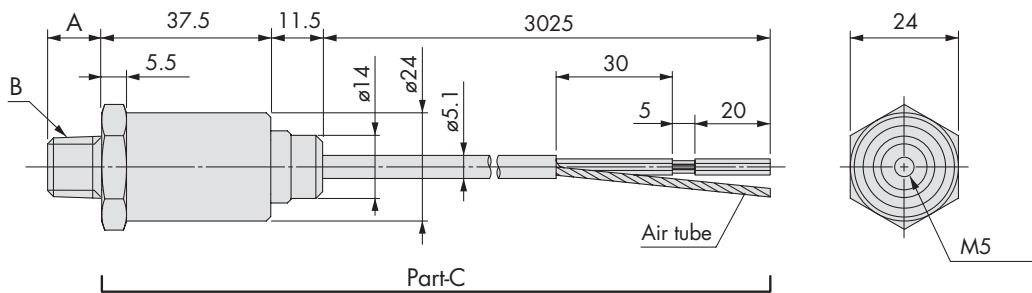
Model	PSE560	PSE561	PSE563	PSE564
Rated pressure range	0 to 1 MPa	0 to -101 kPa	-100 to 100 kPa	0 to 500 kPa
Proof pressure	1.5 MPa	500 kPa	500 kPa	750 kPa

Model	PSE56□-□	PSE56□-□-28
Fluid	Fluid, including gas, that will not corrode Stainless steel 316L	
Power supply voltage	12 to 24 VDC ±10%, Ripple (p-p) 10% or less (With power supply polarity protection)	
Current consumption	10 mA or less	—
Output specification	Analog output 1 to 5 V (Within rated pressure range) Output impedance: Approx. 1 kΩ	Analog output 4 to 20 mA (Within rated pressure range) Allowable load impedance: 500 Ω or less (at 24 VDC) 100 Ω or less (at 12 VDC)
Accuracy (Ambient temperature of 25°C)	±1% F.S. or less	
Linearity	±0.5% F.S. or less	
Repeatability	±0.2% F.S. or less	
Power supply voltage effect	±0.3% F.S. or less	
Resistance	Enclosure IP65	
	Operating temperature range Operating: -10 to 60°C, Stored: -20° to 70°C (No condensation or freezing)	
	Operating humidity range Operating/Stored: 35 to 85% RH (No condensation)	
	Withstand voltage 250 VAC for 1 minute between live parts and case	
Insulation resistance 50 MΩ between live parts and case (at 50 VDC)		
Temperature characteristics	±2% F.S. or less (0 to 50°C, based on 25°C), ±3% F.S. or less (-10 to 60°C, based on 25°C)	

Piping Specifications

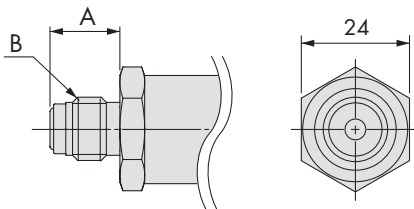
Model		01	02	C01	A2	B2
Port size		R 1/8 M5	R 1/4 M5	1/8	URJ 1/4	TSJ 1/4
Material		Case: C3604 + nickel plated, Piping port/pressure sensor: Stainless steel 316L				
Sensor cable		PSE56□-□: Oil proof 3-wire heavy-duty vinyl cable with air tube (0.2 mm ²) PSE56□-□-28: Oil proof 2-wire heavy-duty vinyl cable with air tube (0.2 mm ²)				
Weight	With sensor cable	193 g	200 g	187 g	203 g	193 g
	Without sensor cable	101 g	108 g	95 g	111 g	101 g

Dimensions

 PSE56□-⁰¹/₀₂


* The dimensions of Part C are common to all PSE56□ models.

PSE56□-A2



Model	A	B
PSE56□-01	8.2	R 1/8
PSE56□-02	12	R 1/4
PSE56□-A2	15.5	URJ 1/4
PSE56□-B2	9.5	TSJ 1/4

PSE56□-B2

