

Pressure Sensor

Series **PSE530**

Features

- ➔ Remote sensor for air or inert gas
- ➔ 1-5 volt analogue output
- ➔ 4 different models to suit pressure or vacuum
- ➔ Stainless steel case
- ➔ Removable cable for easy installation
- ➔ M5 connection port
- ➔ Compact design



How to Order

PSE53 **0** — **M5** — **L**

Pressure sensing range	
0	Normal pressure [0 to 1 MPa]
1	Vacuum [0 to -101 kPa]
2	Low pressure [0 to 101 kPa]
3	Compound pressure [-101 to 101 kPa]

Port size	
M5	M5

Option

L	Sensor cable (3 m) Without connector	
C2L	Sensor cable (3 m) + Connector (1 pc.)	

Note) At the factory, the connector is not connected to the cable, but packed together with it for shipment.

Specifications

Model		PSE530-M5	PSE531-M5	PSE532-M5	PSE533-M5
Rated pressure range		0 to 1 MPa	0 to -101 kPa	0 to 101 kPa	-101 to 101 kPa
Proof pressure		1.5 MPa	500kPa		
Fluid		Air/Non-corrosive gas			
Power supply voltage		12 to 24 VDC (Ripple $\pm 10\%$ or less)			
Current consumption		15 mA or less			
Output specification		Analog output (1 to 5 V, Output impedance: Approx. 1 k Ω)			
Accuracy		$\pm 2\%$ F.S. or less (Within rated pressure range, Ambient temperature 25 ± 3 $^{\circ}$ C)			
Linearity		$\pm 1\%$ F.S. or less			
Repeatability		$\pm 1\%$ F.S. or less			
Power supply voltage effect		$\pm 1\%$ F.S. or less based on the analog output at 18 V ranging from 12 to 24 VDC			
Resistance	Enclosure	IP40			
	Temperature range	0 to 50 $^{\circ}$ C; Stored: -10 to 70 $^{\circ}$ C (No freezing or condensation)			
Temperature characteristics (Based on 25 $^{\circ}$ C)		$\pm 2\%$ F.S. or less based on the analog output value at 25 $^{\circ}$ C from a range of 0 to 50 $^{\circ}$ C			
Port size		M5			
Material		Body: Stainless steel Grade 303, Internal enclosure: PPE; Pressure sensor: Silicon; O-ring: NBR			
Sensor cable/Option		Halogen-free heavy-duty cord, $\phi 2.7$, 0.15 mm 2 , 3 cores, 3 m			

Accessories

When only optional parts are required, order using the part numbers listed below.

Description	Part no.	Note
Connector	ZS-28-C	
Sensor cable	ZS-26-F	Cable length: 3 m
Connector + Sensor cable	ZS-26-J	Cable length: 3 m The connector is not connected to the cable at the time of shipment.

Dimensions

PSE53□-M5

