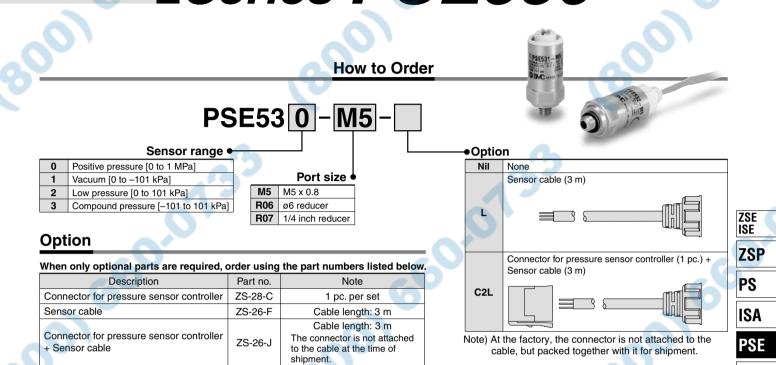
## Pressure Sensor Series PSE530



## Specifications

Model		PSE530 (Positive pressure)	PSE531 (Vacuum)	PSE532 (Low pressure)	PSE533 (Compound pressure)	
Rated pressure range		0 to 1 MPa	0 to -101 kPa	0 to 101 kPa	-101 to 101 kPa	
Extension analog output range		-0.1 to 0 MPa	10.1 to 0 kPa	-10.1 to 0 kPa	_	
Proof pressure		1.5 MPa	500 kPa			
Applicable fluid		Air/Non-corrosive gas/Non-flammable gas				
Power supply voltage		12 to 24 VDC ±10%, Ripple (p-p) 10% or less (with power supply polarity protection)				
Current consumption		15 mA or less (with no load)				
Output specification		Analog output 1 to 5 V (with rated pressure range), 0.6 to 1 V (with extension analog output range), Output impedance: Approx. 1 kΩ				
Accuracy (Ambient temperature at 25°C)		±2% F.S. or less (with rated pressure range), ±5% F.S. or less (with extension analog output range)				
Linearity		±1% F.S. or less				
Repeatability		±1% F.S. or less				
Power supply voltage effect		±1% F.S. or less based on the analog output at 18 V ranging from 12 to 24 VDC				
Environmental resistance	Enclosure	IP40				
	Temperature range	Operating: 0 to 50°C; Stored: -10 to 70°C (No freezing or condensation)				
	Withstand voltage	1000 VAC, 50/60Hz for 1 minute between live parts and case				
	Insulation resistance	5 M $\Omega$ or more between live parts and case (at 500 VDC Mega)				
	Vibration resistance	10 to 500 Hz 1.5 mm amplitude or 98 m/s <sup>2</sup> acceleration, X, Y, Z directions for 2 hours each (De-energized)				
ш	Impact resistance	980 m/s <sup>2</sup> in X, Y, Z directions, 3 times each (De-energized)				
Temperature characteristics		±2% F.S. or less (Based on 25°C)				
Sensor cable/Option		Halogen-free heavy-duty cable, 3 cores, ø2.7, 3 m, Conductor area: 0.15 mm <sup>2</sup> , Insulator O.D.: 0.8 mm				
Standards		Compliant with CE marking				

## **Piping Specifications**

Model		M5	R06	R07	
Port size		M5 x 0.8 male thread	ø6 reducer type	1/4 inch reducer type	
Wetted parts material		Pressure sensor: Silicon, O-ring: NBR			
		Body: Stainless steel 304	Body: PBT		
Mass	With sensor cable (3 m)	41 g	38 g		
	Without sensor cable	7 g	3.8 g		

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