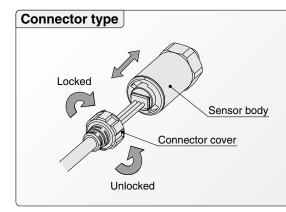
Compact Pneumatic Pressure Sensor

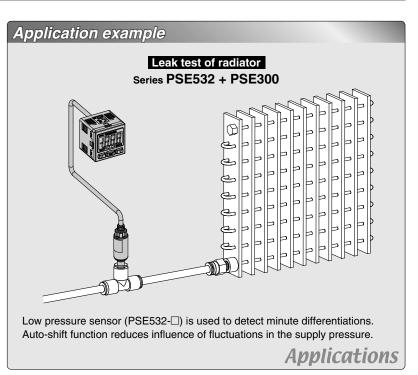
Series **PSE530**



Series	Rated pressure range				
	–100 kPa	0	100 kPa	500 kPa	1 MPa
PSE530		0	<u>></u>		1 MPa
PSE531	–101 kPa	0			
PSE532		0	101 kPa		
PSE533	–101 kPa		101 kPa		



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Pressure Sensor Series PSE530

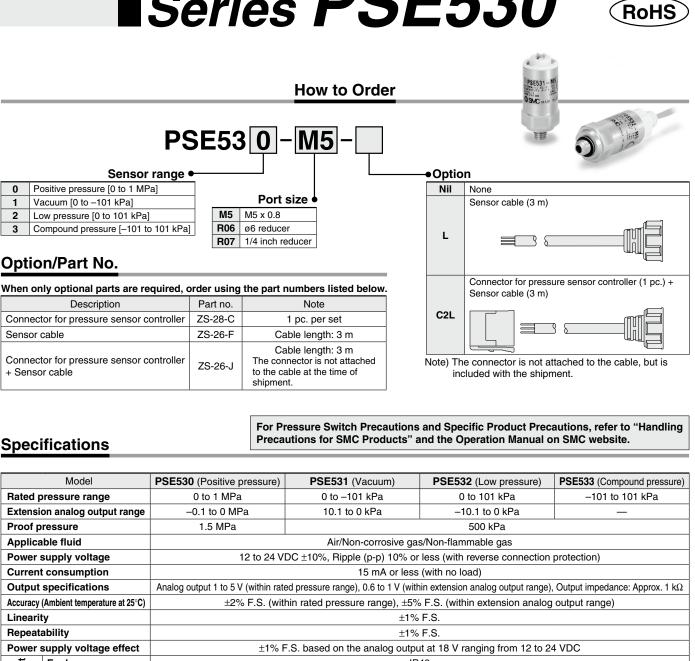
PSE530



PSE550

PSE57	

0



Enclosure IP40 vironment Temperature range Operating: 0 to 50°C; Stored: -10 to 70°C (No freezing or condensation) 1000 VAC (in 50/60 Hz) for 1 minute between terminals and housing Withstand voltage Ë Insulation resistance 5 M Ω or more (500 VDC measured via megohmmeter) between terminals and housing Temperature characteristics ±2% F.S. (25°C reference) Halogen-free heavy-duty cable, 3 cores, ø2.7, 3 m, Conductor area: 0.15 mm², Insulator O.D.: 0.8 mm Sensor cable/Option Standards CE, RoHS

Piping Specifications

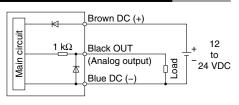
Model		M5	R06	R07
Port siz	ze	M5 x 0.8 male thread	ø6 reducer type	1/4 inch reducer type
Materials of parts in contact with fluid		Pressure sensor: Silicon, O-ring: NBR		
		Body: Stainless steel 304	Body: PBT	
Waight	With sensor cable (3 m)	41 g	38 g	
Weight	Without sensor cable	7 g	3.8 g	



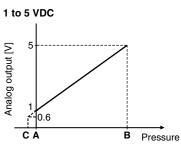
Series **PSE530**

Internal Circuit and Wiring Example

 $\begin{array}{c} \textbf{PSE53} \square \\ \text{Voltage output type} \\ 1 \text{ to 5 V} \\ \text{Output impedance} \\ \text{Approx. 1 } \text{k} \Omega \end{array}$



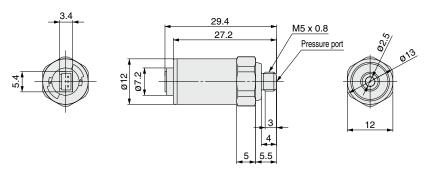
Analog Output



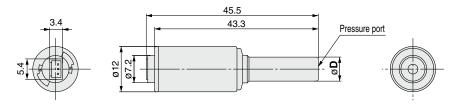
Range	Rated pressure range	Α	В	С
For vacuum	0 to –101 kPa	0	–101 kPa	10.1 kPa
For compound pressure	-101 kPa to 101 kPa	–101 kPa	101 kPa	
For low pressure	0 to 101 kPa	0	101 kPa	–10.1 kPa
For positive pressure	0 to 1 MPa	0	1 MPa	–0.1 MPa

Dimensions

PSE53 -M5



PSE53



	[mm]
Model	Applicable fitting size (D)
PSE53 -R06	6
PSE53 -R07	1/4"

With sensor cable

