



## Model PSC620 Absolute Pressure Transducer for Low pressure Industry and General Purpose Industrial Applications

PSC620 Low Pressure Transducer was developed for industrial pressure sensing applications. The structure is well suited for use in harsh media environments and chemical applications as the media is in contact with the 316SS diaphragm. ASIC digital compensation and temperature correction provides high accuracy and a wide operating temperature range. Outputs available: 0.5-4.5 VDC Ratiometric.

Features digital compensation and temperature correction for high accuracy and stability. All Wetted parts are 316 stainless steel.

- Absolute Pressures or sealed gauge pressure
- ASIC Temperature Compensated
- 2 % Total Error Band
- Recommended load resistance: >10,000 ohms
- Wetted Parts: 316 stainless steel
- Process Fitting: see column Z
- Electrical Connection: Packard connector

### Sample Applications:

- Industrial Process Control
- Pressure Transmitters and Instrumentation
- Refrigeration and Compressor Systems



PSC620 Ordering Model NO.: PSC620-X-Y-Z-X		
X	Y	Z
<b>Output Type</b>	<b>Pressure Range</b>	<b>Port Type</b>
B = 0.5~4.5V (Ratiometric)	5B = 0 to 5 Bar (A) / 0 to 72.5 Psi(A) 10B = 0 to 10 Bar (A) / 0 to 145 Psi(A)	1 = 1/8-27 NPT 2 = 1/4-18 NPT 3 = DIN3852-A-G1/4 4 = DIN3852-E-G1/4 5 = DIN3852-A-M10*1.0 6 = DIN3852-A-M12*1.5 7 = 7/16-20 UNF X = Special

Electrical data	
Supply Voltage	4.75 ~ 5.25 VDC
Output	0.5 ~ 4.5 VDC (Ratiometric)
Supply Current	Approx 3 mA

Mechanical Configuration	
Media	Compatible With 316 stainless steel
Housing	304 stainless steel
Wetted Material	316 stainless steel



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Performance (specified @ 25 °C)	
Accuracy (Best fit straight line)	± 0.5% BFSL
Error	± 3.0% FS TEB
Zero/Span Offset Tolerance	± 2.0% TEB
Stability (typical)	< ±0.5% full scale per year
Compensated Temperature Range	0°C ~ 70°C
Operating Temperature Range	-10°C ~ 85°C
Burst Pressure	3 X Full Scale
Proof Pressure	2 X Full Scale
Pressure Cycles	4 million full scale cycles
Mechanical Vibration	20 g, 10 - 2000 Hz
Mechanical Shock	IEC 60068-2-27, 30 g, 11 ms pulse
Package Protection	IP67



### Structure reference (Unit: Inch[mm])

