

Model PSC628

Wet / Wet Differential Pressure Transducer For

Industry and General Purpose Industrial Applications

PSC628 differential pressure sensor utilizes a single MEMS pressure die isolated by two stainless steel diaphragms in a low profile form factor that provides media isolation and robust construction. The structure is well suited for use in harsh media environments

ASIC digital compensation and temperature correction provides high accuracy and a

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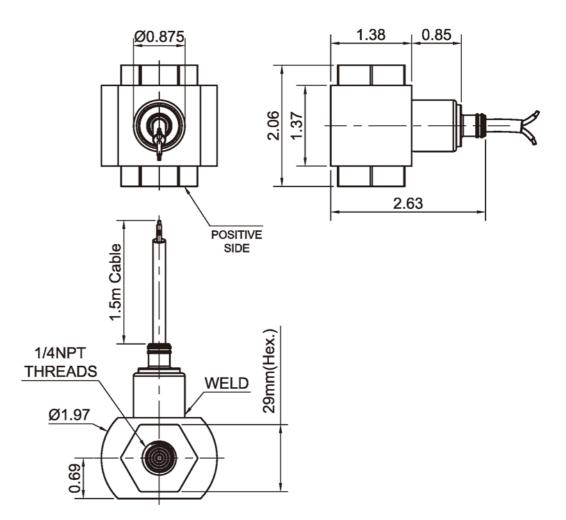


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Performance (specified @ 25 ℃)	
Accuracy (Best fit straight line)	± 0.1% FS
Zero Offset Tolerance	± 0.5% FS
Span Offset Tolerance	± 0.5%
Stability (typical)	± 0.25% Per year
Compensated Temperature Range	-10℃~85℃
Operating Temperature Range	-20℃~125℃
Burst Pressure	3 X Full Scale
Proof Pressure	2 X Full Scale
Line Pressure	10 X Full Scale
Fatigue Life	4 million full scale cycles
Burst Pressure Proof Pressure Line Pressure	3 X Full Scale 2 X Full Scale 10 X Full Scale

Structure reference (Unit: Inch[mm])



and chemical applications.

 Differential Pressure ASIC Temperature Compensated

wide operating temperature range.

- Wetted Parts: 316 stainless steel
- Process Fitting: see column Z
- Recommended load resistance:>10,000 ohms • Electrical Connection: Direct Cable Output (standard length 60cm)

(Packard and DIN43650 also available)

Sample Applications:

- Energy Measurement
- · Air or Liquid Flow Measurement
- Level Measurement of Pressure Vessel
- Filter Differential Pressure Measurement
- · Process Control System

SC628 Ordering Model NO.: PSC628-X-Y-Z-X		PSC628
X	Y	Z
Output Type	Pressure Range	Port Type (Female type)
B = 0.5 ~ 4.5 VDC	1 = 0.1 bar	1 = 1/8-27 NPT
(Ratiometric)	2 = 0.5 bar	2 = 1/4-18 NPT
C = 4 to 20mA	3 = 1 bar	3 = DIN3852-A-G1/4
D = 1.0V to 5.0V	4 = 2 bar	4 = DIN3852-E-G1/4
E = 0.5V to 4.5V	5 = 5 bar	5 = DIN3852-A-M10*1.0
F = 0 V to 10V	6 = 10 bar	6 = DIN3852-A-M12*1.5
G = 0 V tp 5V	7 = 16 bar	7 = 7/16-20 UNF
		X = Special

Electrical data	PSC628-B (Ratiometric)	PSC628-C (4~20mA)	PSC628-D (1.0~5.0VDC)	PSC628-E (0.5~4.5VDC)	PSC628-F (0~10VDC)	PSC628-G (0~5VDC)
Supply Voltage	4.75 ~ 5.25 VDC	9 ~ 32 VDC	8 ~ 32 VDC	8 ~ 32 VDC	12 ~ 32 VDC	8 ~ 32 VDC
Output	0.5 ~ 4.5 VDC	4 ~ 20 mA	1.0 ~ 5.0 VDC	0.5 ~ 4.5 VDC	0 ~ 10 VDC	0 ~ 5 VDC
Supply Current	< 3 mA	< 30 mA	< 3 mA	< 3 mA	< 12 mA	< 3 mA
Zero Output	0.5 VDC	4 mA	1.0 VDC	0.5 VDC	0 VDC	0 VDC
Full Scale Output	4.5 VDC	20 mA	5.0 VDC	4.5 VDC	10 VDC	5 VDC

Mechanical Configuration		
Media	Compatible With 316 stainless steel	
Housing	304 stainless steel	
Wetted Material	316 stainless steel, FKM	
Ingress Rating	IP65	

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