



Model PSC632 Level Sensor for Industry and General Purpose Level Measuring Applications

PSC632 Level sensor was developed for industrial and general level measuring applications. This Oil Filled sensor provides media isoation and it is completely sealed, with a vent tube integrated within the special output electric cable.

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

- Gauge Pressure
- ASIC Temperature Compensated
- Recommended load resistance: >10,000 ohms
- Wetted Parts: 316 stainless steel
- Process Fitting: 1/4"-18 NPT with Hammerhead
- Electrical Connection: Special Cable

Sample Applications:

- Water Level Measurement
- Oil Level Measurement
- Other Non-corrosive Liquid Level Measurement (Compatible with 316 stainless steel, Nylon, FEP)



PSC632 Ordering Model NO.: PSC632-X-Y-Z-X	
X	Y
Output Type	Pressure Range
B = 0.5~4.5V DC	1 = 0 to 100 mBar (G) / 0 to 1.45 Psi(G)
C = 4~20mA	2 = 0 to 200 mBar (G) / 0 to 2.9 Psi(G)
D = 1.0~5.0V	3 = 0 to 400 mBar (G) / 0 to 5.8 Psi(G)
E = 0.5~4.5V	4 = 0 to 1 Bar (G) / 0 to 14.5 Psi(G)
F = 0~10V	
G = 0~5V	

Electrical data	PSC632-B (Ratiometric)	PSC632-C (4~20mA)	PSC632-D (1.0~5.0VDC)	PSC632-E (0.5~4.5VDC)	PSC632-F (0~10VDC)	PSC632-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, Nylon, FEP
Housing	316 stainless steel
Wetted Material	316 stainless steel / Nylon / FEP
Ingress Rating	IP68

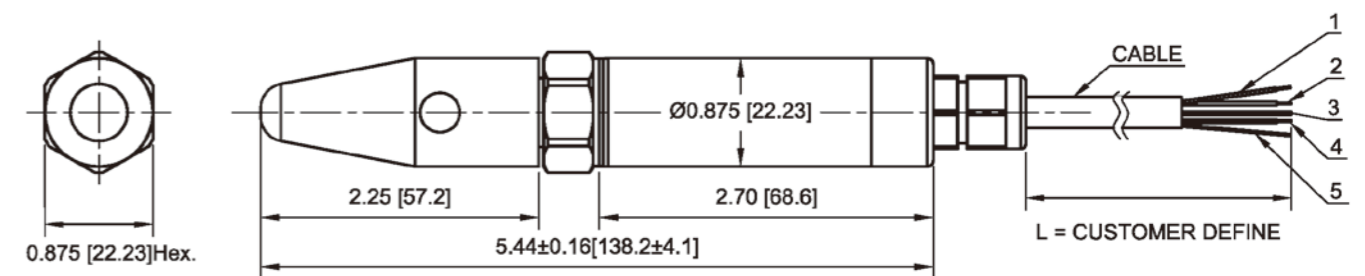


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Performance (specified @ 25 °C)	
Accuracy (Best fit straight line)	± 0.5% BFSL
Zero Offset Tolerance	± 1% FS
Span Offset Tolerance	± 1.5%
Stability (typical)	± 0.25% Per year
Compensated Temperature Range	0°C ~ 55°C
Operating Temperature Range	-40°C ~ 85°C
Burst Pressure	5 X Full Scale
Proof Pressure	2 X Full Scale
Fatigue Life	4 million full scale cycles



Structure reference (Unit: Inch)



No.	Clour	Function
1	Red	V+
2	Green	V-(GND)
3	Clear	Vent Tube
4	Yellow	S+
5	/	PE