

# Submersible Pressure Sensor (Liquid Level)



## Datasheet

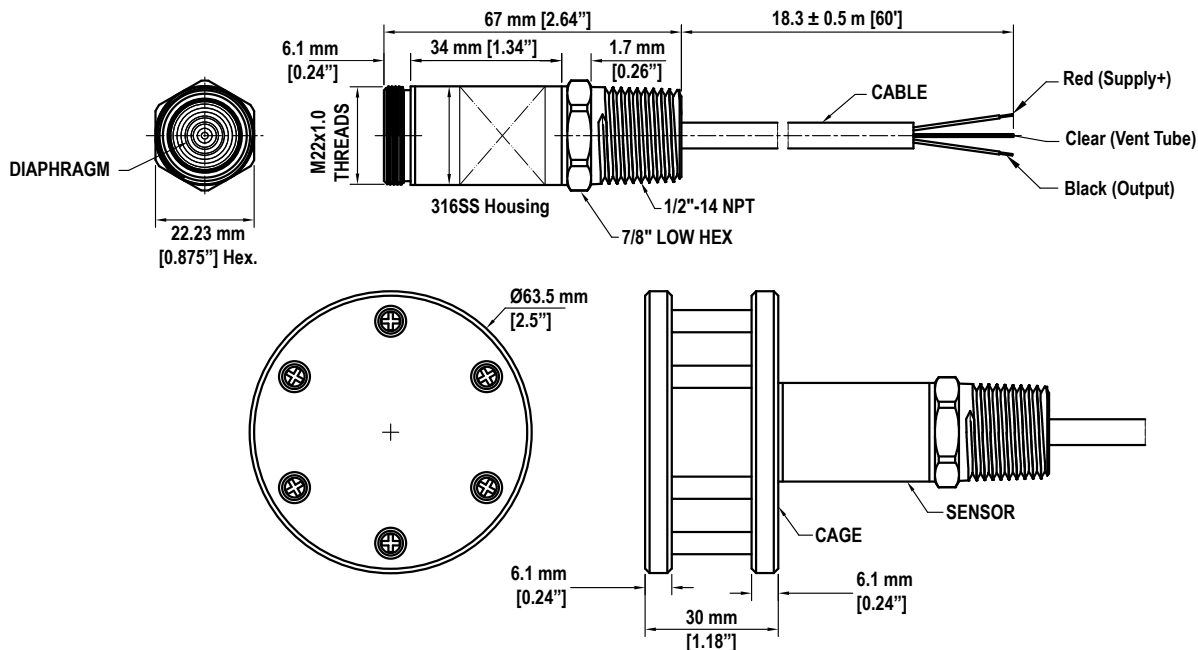
A 0 to 15 PSIG submersible pressure sensor (liquid level)

Submersible pressure transducers are commonly used to measure the level of liquid in large tanks using hydrostatic pressure. The height of the liquid above the position in the tank is referenced to atmospheric pressure through a vented cable. The sensing element is protected from damage and clogging by a stainless steel housing with a diaphragm protector. This device is powered by 10 V DC to 33 V DC and is well-suited for wastewater, slurry, sump, reservoirs, and most storage tank applications.

## Models

Model	Description	Connection
BWA-PRESSURE-SENSOR-15L	Includes one PS15G60S 0–15 psi pressure sensor gauge with a 1/4"-18 NPT port and one protective cage	2-wire flying leads with vent, 60 ft

Figure 1. Dimensions



## Specifications

**Supply Voltage**  
10 V DC to 33 V DC

**Current Consumption**  
< 24 mA

**Pressure Range**  
0 to 15 PSI(G)  
Proof pressure: 2x full scale  
Burst pressure: 3x full scale

**Output**  
4 to 20 mA

**Accuracy**  
± 1% BFSL

**Stability**  
± 0.25% per year

**Temperature**  
Compensated: 0 °C to +55 °C (+32 °F to +131 °F)  
Operating: -40 °C to +85 °C (-40 °F to +185 °F)

**Tolerance**  
Zero Offset: ± 1%  
Span: ± 1.5%

**Fatigue Life**  
> 4 million cycles

**Connection**  
M22 x 1 port

**Composition**  
Housing: 316 stainless steel  
Wetted material: 316 stainless steel and PVC

**Environmental Rating**  
IEC IP68



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