Submersible Pressure Sensor (Liquid Level)

Features

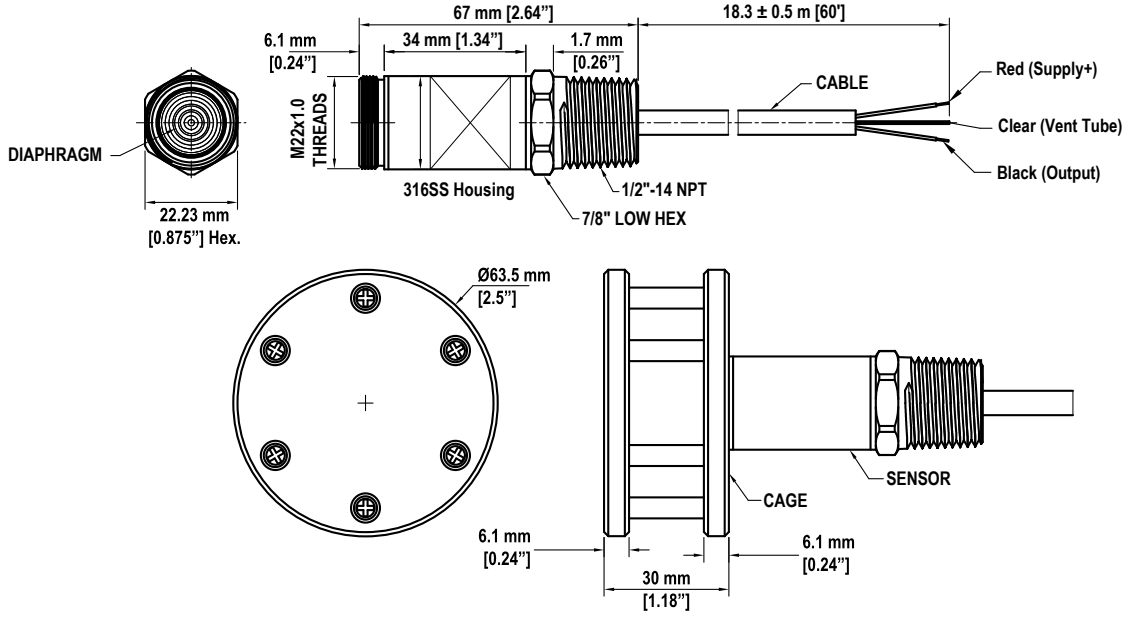
Submersible pressure sensors measure hydrostatic pressure to determine the level of liquids in large tanks and outdoor storage reservoirs. Resting on the bottom of a tank or reservoir, the sensor provides an analog output that is proportional to the depth of the liquid being measured. The caged design of this sensor protects the measuring cell and prevents clogging while acting as a weight to secure the sensor to the bottom of the tank or reservoir. Enables real-time, easy-to-deploy liquid level measurement for wastewater, slurry, sump, reservoir, and bulk storage tank applications.

- 0 to 15 PSI(G) (34.6 ft. of water)
- Vented cable with flying leads
- 10 V DC to 33 V DC
- Output 4 to 20 mA
- 316 stainless steel housing

Models

Model	Description	Connection
BWA-PRESSURE-SENSOR-15L	Includes one PS15G60S 0–15 psi pressure sensor with a protective cage	2-wire flying leads with vent, 60 ft

Dimensions



Specifications for the Submersible Pressure Sensor

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
IP68

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