

SP68 Pressure Transmitter

The SP68 is an IP68 rated pressure transmitter for a wide variety of both liquids and gases and is fully temperature compensated and signal conditioned. The SP68 can be mounted in flood prone locations.

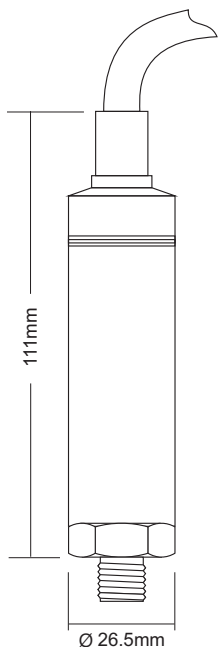
This unit features a 304SS body, 316SS flush mounted diaphragm with either silicone or olive oil filled 316SS sensor and a fixed length of vented polyurethane cable. It is available in pressure ranges from 0...0.1 bar to 0...1000bar and can be ordered with either a 4...20mA (2 wire), 0...5V or 1...5V (3 wire) output signal.

This unit can be used to measure tank level or pressure. It should be installed at the bottom of the tank. Models include relative pressure or atmospheric pressure ranges.

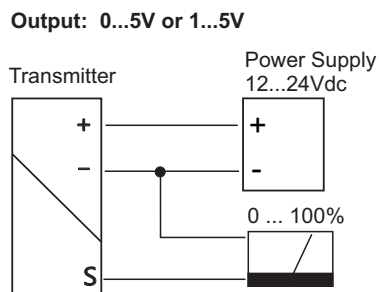
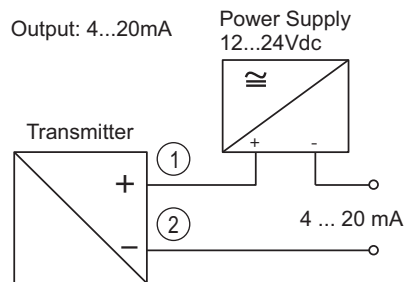
Standard process connections are M20*1/5, 1/4", 1/2" BSP or NPT. Optional adaptors available when necessary.



Dimensions



Wiring Diagram



Characteristics

SP68

Application: Pressure Measurement of Liquids and Gases

Power Supply: 12...24Vdc

Consumption: 22mA max.

Output: 4...20mA (2 wires), 1...5 V or 0...5 V (3 wires)

Input Impedance (Zin): 500Ω

Accuracy: ± 0.5% F.S. max. (0.25% upon request)

Linearity and Hysteresis: ± 0.5% F.S. max.

Repeatability: 0,1% F.S.

Stability: (1 year)± 0.5% F.S. typical

Resolution 100µA

Sensor Body: 316 S.S.

Sensor Type: Piezoresistive Sensor

Body Material: 304 S.S.

Measurement Range: 0.1 to 1000 Bar

Process Connection: M20*1.5, 1/2" BSP (others)

Working Temperature: -10 to +80°C

Temperature compensated: -10 to +80°C (Typical)

Storage Temperature: -40 to +125°C

Zero Temp. Coefficient: ± 0.03% F.S./°C

Span Temp. Coefficient: ± 0.03% F.S./°C

Over Pressure: 3 x F.S.

Surge Protection: Inverse Polarity /

Electromagnetic Interference

Class Protection: IP68