

PSLT

SUBMERSIBLE LEVEL TRANSMITTER



US Patent 8,336,385

OVERVIEW

The PRIMEX® Submersible Level Transmitter (PSLT) is designed for continuous level monitoring. The instrument measures the hydrostatic pressure of the water above the sensor and outputs a 4-20 mA signal proportional to the level. The PSLT robust design provides a reliable and low maintenance solution for level control applications.

FEATURES

- Transmitter wetted components are designed with nonconductive materials to provide an electrical isolation barrier
- Pressure sensor isolated from process material by a protective VITON® diaphragm
- Industry standard 4-20 mA, 2-wire loop powered
- Reverse polarity protected
- 18/2 shielded cable with vent tube
- Built-in internal stabilizing weight
- Multiple ranges
- Multiple cable lengths
- 2-year limited warranty

APPLICATIONS

- Sewage and effluent lift stations
- Stormwater pump stations
- Non-potable water systems
- Tanks, wet wells and reservoirs

SPECIFICATIONS

MEASURING RANGES:

- 3.62 PSI (8.3 ftWC) - blue cord seal
- 7.25 PSI (16.7 ftWC) - grey cord seal
- 14.50 PSI (33.4 ftWC) - black cord seal

ACCURACY: 1% full scale

OPERATING TEMPERATURE: 32°F to 122°F (0°C to 50°C)

OUTPUT: 4-20 mA, loop powered

EXCITATION VOLTAGE: 8-30 VDC reverse polarity protected

OVERPRESSURE PROTECTION:

- 7.62 PSI (16.7 ftWC) for 3.62 PSI (8.3 ftWC) model
- 58 PSI (133.6 ftWC) for 7.25 PSI (16.7 ftWC) model
- 58 PSI (133.6 ftWC) for 14.50 PSI (33.4 ftWC) model

IP RATING: IP 68 for permanent submersion

WETTED MATERIALS:

- Sensor Housing:** PVC, 3.09" diameter x 7.67" length (79mm x 195mm)
- Cable Seal:** EPDM
- Diaphragm:** VITON®, 1.25" diameter (32mm)
- Cable:** TPE, 18 AWG - 2 wire shielded with vent tube, 0.3" diameter (8mm)

ORDERING

PART NUMBER	DESCRIPTION
1108328	PSLT, 8.3 ftWC with 50 ft. cable
1108329	PSLT, 8.3 ftWC with 75 ft. cable
1108330	PSLT, 8.3 ftWC with 100 ft. cable
1108340	PSLT, 16.7 ftWC with 50 ft. cable
1108341	PSLT, 16.7 ftWC with 75 ft. cable
1108342	PSLT, 16.7 ftWC with 100 ft. cable
1108354	PSLT, 33.4 ftWC with 50 ft. cable
1108355	PSLT, 33.4 ftWC with 75 ft. cable
1108356	PSLT, 33.4 ftWC with 100 ft. cable



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