

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
- Provided with removable lock in place stabilizing weight and stainless steel mounting bracket
- 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: 7.25 PSI (16.7 ftWC) and 14.50 PSI (33.4 ftWC)
- Accuracy: 1% full scale
- Operating Temp: 32-122°F (0-50°C)
- Output: 4-20 mA, loop powered
- Excitation Voltage: 8-32 VDC reverse polarity protection
- Overpressure Protection: 58 PSI (133.6 ftWC)
- IP Rating: IP 68 for permanent submersion
- Wetted Materials:
 - Sensor Housing: PVC, 2.00" diameter x 5.62" length (51mm x 143mm)
 - Cable Seal: EPDM
 - Diaphragm: VITON®, 1.25" diameter (32mm)
 - Cable: TPE, 18 AWG - 2 wire shielded with vent tube, 0.3" diameter (8mm)
 - Stabilizing Weight: Epoxy coated cast iron, 1.0 lb. (0.45 kg), 2.6" diameter x 2.5" length (66mm x 64mm)

ORDERING

PART NUMBER	DESCRIPTION
1050714	PSLT, 16.7 ftWC with 50 ft. cable
1050713	PSLT, 16.7 ftWC with 75 ft. cable
1050712	PSLT, 16.7 ftWC with 100 ft. cable
1050717	PSLT, 33.4 ftWC with 50 ft. cable
1050716	PSLT, 33.4 ftWC with 75 ft. cable
1050715	PSLT, 33.4 ftWC with 100 ft. cable



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