

PSLT

SUBMERSIBLE LEVEL TRANSMITTER



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
- 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	XDCR, PSLT 16.7-50*
1050713	XDCR, PSLT 16.7-75
1050712	XDCR, PSLT 16.7-100
1050717	XDCR, PSLT 33.4-50
1050716	XDCR, PSLT 33.4-75
1050715	XDCR, PSLT 33.4-100*

*=16.7 ftWC transducer range, 50 ft. cable

*=33.4 ftWC transducer range, 100 ft. cable



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