

PSLT-IS

SUBMERSIBLE LEVEL TRANSMITTER



US Patent 8,336,385

OVERVIEW

The PRIMEX® Submersible Level Transmitter (PSLT-IS) is specially designed for continuous level monitoring in the harshest environments including sanitary and stormwater lift stations having suspended solids. The instrument measures the hydrostatic pressure of the liquid above the sensor and outputs a 4-20mA signal proportional to the level.

The robust design of the PSLT-IS transmitter provides a reliable and low maintenance solution for critical level control applications where other level sensors easily foul.

Unit is suitable for operation in Class 1, Div 1, Groups C, D, T4 Hazardous Locations with optional Intrinsic Safety Barrier.

FEATURES

- Reliable long-life operation with low to no maintenance
- Rugged Non-Conductive Transmitter housing provides superior electrical surge isolation from measured liquid.
- Pressure sensor isolated from process material by a protective VITON® diaphragm
- Industry standard 4-20 mA, 2-wire loop powered
- Reverse polarity protected
- Color coded 18/2 shielded cable with vent tube
- Built in internal stabilizing weight
- Fixed or suspension mounting
- Multiple ranges and cable lengths
- Two-year limited warranty

APPLICATIONS

- Sewage, stormwater and effluent pump stations
- Lagoons, equalization tanks and holding ponds
- Raw water wet wells/intakes
- Storage tanks and reservoirs

SPECIFICATIONS

- Measuring Ranges: 5 PSI (11.55ftWC) and 15 PSI (34.65ftWC)
- Accuracy: $\leq 1\%$ full scale
- Operating Temp: 32-122°F (0-50°C)
- Output: 4-20 mA, loop powered
- Excitation Voltage: 10-28 VDC reverse polarity protection
- Overpressure Protection: 2X range
- Burst Pressure 5X range
- IP Rating: IP 68 for permanent submersion
- Wetted Materials:
 - Sensor Housing: PVC
 - 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
1071046	PSLT-IS, 11.5 ftWC with 50 ft. cable
1071045	PSLT-IS, 11.5 ftWC with 75 ft. cable
1071044	PSLT-IS, 11.5 ftWC with 100 ft. cable
1074293	PSLT-IS, 11.5 ftWC with 150 ft. cable
1071043	PSLT-IS, 34.6 ftWC with 50 ft. cable
1071042	PSLT-IS, 34.6 ftWC with 75 ft. cable
1071041	PSLT-IS, 34.6 ftWC with 100 ft. cable
1074292	PSLT-IS, 34.6 ftWC with 150 ft. cable
ACCESSORIES	
1047680	Intrinsic Safety Barrier TURCK MZB87P



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