

# SUB-X™ LT TRANSMITTER

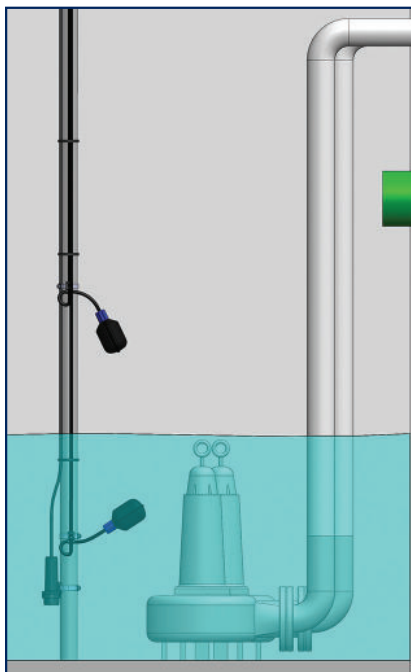
For Continuous Level Monitoring Applications

The Sub-X™ LT submersible level transmitter is designed for continuous level monitoring. It measures the hydrostatic pressure of the water above the sensor and outputs a standard 4-20 mA signal proportional to the water level. The robust design of the Sub-X™ LT transmitter provides a reliable and low maintenance solution for level control applications, including sewage/effluent lift stations, storm water pump stations, non-potable water systems, tanks, wet wells, and reservoirs.

The transmitter wetted components are designed with nonconductive materials to provide an electrical isolation barrier. The pressure sensor is isolated from process material by a protective VITON® diaphragm. A stainless steel hose clamp is included for mounting the transmitter to a pipe towards the bottom of the tank. The Sub-X™ LT transmitter must be clamped. For free hanging installations, use the Sub-X™ transmitter.

## FEATURES

- Provides continuous level monitoring
- Industry standard 4-20mA, 2-wire loop powered
- 22/2 shielded cable with vent tube
- Provided with a hose clamp for pipe mounting
- Reverse polarity protected
- Multiple cable lengths available



Typical installation shown with 2 backup float switches. Always include a backup high level alarm float switch in your system at a minimum. The transmitter must be clamped to a pipe or chain and cannot be free hanging.



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Level Monitoring  
Controls



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SUB-X™ LT TRANSMITTER - Submersible level transmitter with 4-20mA output.

Part #	Description	Shipping Weight
1107978	Sub-X™ LT 100 inWC with 25 ft. Cable	1.34 lbs.
1107979	Sub-X™ LT 100 inWC with 50 ft. Cable	2.08 lbs.
1107980	Sub-X™ LT 100 inWC with 100 ft. Cable	3.64 lbs.
1107981	Sub-X™ LT 100 inWC with 150 ft. Cable	5.2 lbs.
1107982	Sub-X™ LT 100 inWC with 200 ft. Cable	6.75 lbs.

SPECIFICATIONS

**MEASURING RANGE:** 3.62 PSI (0-100 inWC)  
**ACCURACY:** 2% 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:** 7.26 PSI (200 inWC)  
**IP RATING:** IP 68 for permanent submersion

**WETTED MATERIALS:**  
**Sensor Housing:** PVC, 2.00" diameter x 5.35" length (51mm x 136mm)  
**Diaphragm:** VITON®, 1.25" diameter (32mm)  
**Cable:** TPE, 22 AWG - 2 wire shielded with vent tube, 0.24" diameter (6mm)  
**Hose Clamp:** 18-8 stainless steel (included)