

# SUB-X™ TRANSMITTER

For Continuous Level Monitoring Applications

The Sub-X™ 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™ 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. Stainless steel mounting bracket and cord strain relief are included.

## FEATURES

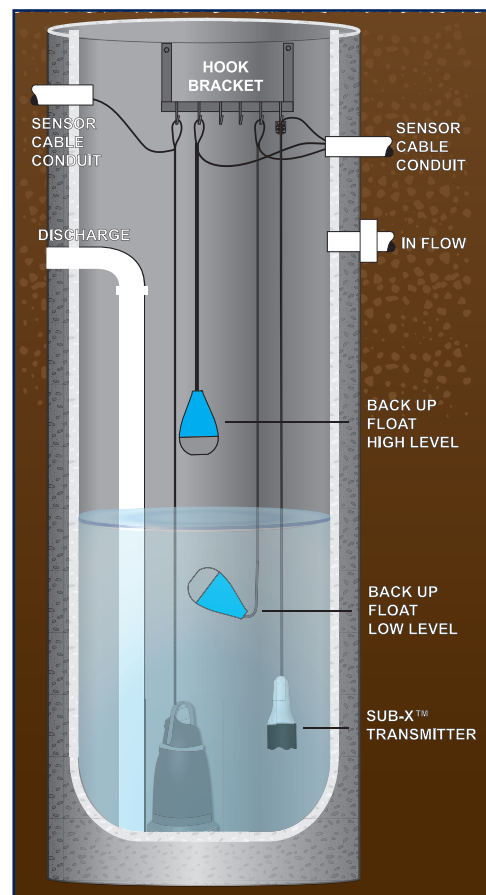
- Reliable long-life operation with low to no maintenance
- Rugged non-conductive transmitter housing
- Industry standard 4-20mA, 2-wire loop powered
- 18/2 shielded cable with vent tube
- Built-in internal stabilizing weight
- Reverse polarity protected
- Colored cord seals for easy range identification
- Multiple ranges and cable lengths available

## OPTIONS

- Optional 6 hook bracket available.



US Patent 8,336,385



Level Monitoring  
Controls



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

Part #	Description	Shipping Weight	List Price
1107758	Sub-X™ 8.3 ftWC with 25 ft. Cable	5.3 lbs.	\$705.50
1107759	Sub-X™ 8.3 ftWC with 50 ft. Cable	6.2 lbs.	\$831.75
1107760	Sub-X™ 8.3 ftWC with 75 ft. Cable	7.0 lbs.	\$938.90
1107761	Sub-X™ 8.3 ftWC with 100 ft. Cable	8.3 lbs.	\$1,048.17
1107763	Sub-X™ 16.7 ftWC with 25 ft. Cable	5.3 lbs.	\$705.50
1107764	Sub-X™ 16.7 ftWC with 50 ft. Cable	6.2 lbs.	\$831.75
1107765	Sub-X™ 16.7 ftWC with 75 ft. Cable	7.0 lbs.	\$938.90
1107766	Sub-X™ 16.7 ftWC with 100 ft. Cable	8.3 lbs.	\$1,048.17
1107768	Sub-X™ 33.4 ftWC with 25 ft. Cable	5.3 lbs.	\$705.50
1107769	Sub-X™ 33.4 ftWC with 50 ft. Cable	6.2 lbs.	\$831.75
1107770	Sub-X™ 33.4 ftWC with 75 ft. Cable	7.0 lbs.	\$938.90
1107771	Sub-X™ 33.4 ftWC with 100 ft. Cable	8.3 lbs.	\$1,048.17
<b>Options</b>			
1052814	6 Hook Bracket	2 lbs.	\$190.28

For additional lengths, please contact Technical Support at [techsupport@sjeinc.com](mailto:techsupport@sjeinc.com).

**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)