

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

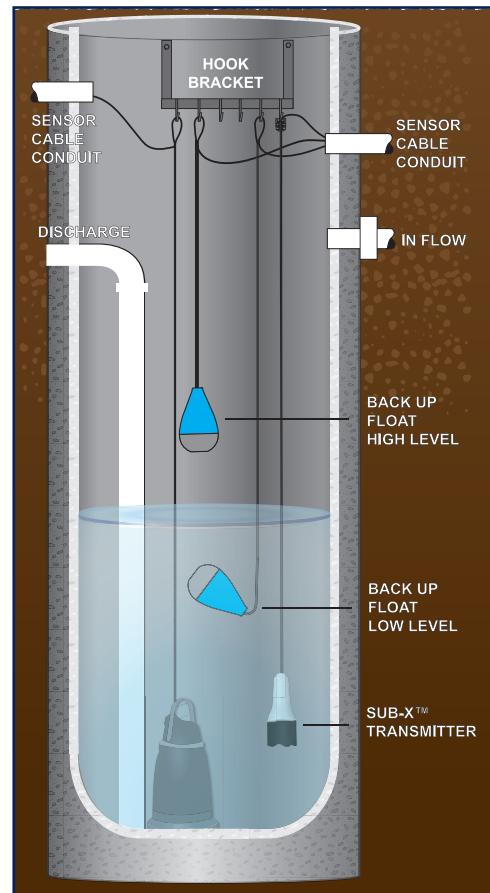
- Reliable long-life operation with low to no maintenance
- Rugged non-conductive transmitter housing
- Industry standard 4-20mA, 2-wire loop powered
- 18/2 shielded cable with vent tube
- Built-in internal stabilizing weight
- Reverse polarity protected
- Colored cord seals for easy range identification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

OPTIONS

- Optional 6 hook bracket available.



US Patent 8,336,385



 **SJE RHOMBUS®**

| 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 |
| Options | | | |
| 1052814 | 6 Hook Bracket | 2 lbs. | \$190.28 |

For additional lengths, please contact Technical Support at 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)