SUB-X™ IS TRANSMITTER

For Continuous Level Monitoring Applications

The Sub-X™ IS submersible level transmitter 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 Sub-X™ IS transmitter provides a reliable and low maintenance solution for critical level control applications where other level sensors easily foul. Some examples include: sewage, stormwater and effluent pump stations, lagoons, equalization tanks and holding ponds, raw water wet wells/intakes, storage tanks and reservoirs.

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



US Patent 8,336,385

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

SJE RHOMBUS®
Powered by SJE

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

Part #	Description	Shipping Weight
1122747	Sub-X™ IS 11.5 ftWC with 50 ft. Cable	6.2 lbs.
1122746	Sub-X™ IS 11.5 ftWC with 75 ft. Cable	7.0 lbs.
1122745	Sub-X™ IS 11.5 ftWC with 100 ft. Cable	8.3 lbs.
1122744	Sub-X™ IS 34.6 ftWC with 50 ft. Cable	6.2 lbs.
1122743	Sub-X™ IS 34.6 ftWC with 75 ft. Cable	7.0 lbs.
1122742	Sub-X™ IS 34.6 ftWC with 100 ft. Cable	8.3 lbs.

SPECIFICATIONS

MEASURING RANGES: 5 PSI (11.55 ftWC) and 15 PSI (34.65 ftWC)

ACCURACY: ≤1% full scale

OPERATING TEMPERATURE: 32°F to 122°F (0°C to 50°C)

OUTPUT: 4-20 mA, loop powered

EXCITATION VOLTAGE: 10-28 VDC reverse polarity protected

OVERPRESSURE PROTECTION: 2X range

BURST PRESSURE: 5X range

IP RATING: IP 68 for permanent submersion

WETTED MATERIALS:

Sensor Housing: PVC, 3.09” diameter x 7.67” length (79mm x 195mm)

Diaphragm: VITON®, 1.25” diameter (32mm)

Cable: TPE, 18 AWG - 2 wire shielded with vent tube, 0.3” diameter (8mm)

Cable Seal: EPDM

California Prop 65 requires the following: ⚠ WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov