

SUBMERSIBLE LEVEL TRANSMITTERS

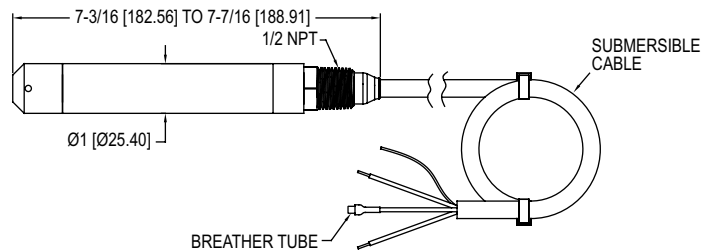
Perfect for Ground Water and Wells, Lightning Protected, Standard 72 Hour Lead Time



SBLT2



SBLTX
(ATEX option available)



The **Series SBLT2 & SBLTX Submersible Level Transmitters** are manufactured for years of trouble free service. These series measure the height of liquid above the position in the tank referenced to atmospheric pressure. The transmitter consists of a piezoresistive sensing element, encased in a 316 SS housing.

BENEFITS/FEATURES

- Meets application requirements with slim design with bullet nose design which protects the diaphragm from damage
- Increased life with lightning and surge protection utilizing dual arrestor technology, grounded to case, eliminating both power supply surges and lightning ground strike transients (surge protection is not guaranteed and is not covered by warranty) on SBLT2 models
- Eliminates particulate or water droplets from entering the transducer using maintenance-free filter
- Peace of mind with UL approved intrinsically safe on SBLTX models for use in hazardous locations when used with proper barrier
- Decrease ownership cost with durable, 270 lb tensile strength shielded and vented cable and excellent chemical compatibility
- Flexible installation options with NPT connection to rigidly install in a pipe/conduit or use a A-625 hanging loop to attach a chain to remove from the installation
- Minimal downtime with standard 72 hour lead time

APPLICATIONS

- Well monitoring
- Ground water monitoring
- Environmental remediation
- Surface water monitoring
- Down hole
- Water tanks

SPECIFICATIONS

Service: Compatible liquids.
Wetted Materials: Body: 316 SS, 316 L SS; Bullet nose: PVC; Cable: Polyether polyurethane or ETFE; Seals: Fluoroelastomer.
Accuracy: $\pm 0.25\%$ FS.
Temperature Limit: SBLT2: Polyurethane: 0 to 150°F (-18 to 66°C); ETFE: 0 to 200°F (-18 to 93°C); SBLTX -4 to 176°F (-20 to 80°C); Polyurethane: -4 to 149°F (-20 to 65°C).
Compensated Temperature Range: SBLT2: 0 to 140°F (-18 to 60°C); SBLTX: 0 to 176°F (-18 to 80°C).
Thermal Effect: $\pm 0.02\%$ FS/°F.
Pressure Limit: 2X FS.
Power Requirement: SBLT2: 10-30 VDC (≤ 1000 ft (305 m) of cable); SBLTX: 10-28 VDC.
Output Signal: 4-20 mA DC, 2-wire.
Response Time: 50 ms.
Max. Loop Resistance: 900 Ω at 30 VDC.
Electrical Connections: Wire pigtail.
Mounting Orientation: Suspended in tank below level being measured.
Electrical Protection: SBLT2: Lightning and surge protection; SBLTX: None.
Weight: 2.2 lb (1.0 kg).
Compliance: SBLT2: CE, UKCA; SBLTX: CE, UKCA, cULus intrinsically safe for Class I, Div. 1, Groups A, B, C, D; Class II, Div. 1, Groups E, F, G; Class III Div. 1; ATEX: II 1 G Ex ia IIC T4 Ga and II 1 D Ex ia IIC T135C Da (according to control drawing 001833-43)**.
****Up to 275' (83.8 m) for ETFE cable; Up to 470' (143.3 m) for polyurethane cable.**

MODEL CHART			
Model	Range psi* (ft w.c.) [m w.c.]	Cable Length ft (m)	Cable Type
SBLT2-5-40-ETFE	5 (11.54) [3.52]	40 (12.2)	ETFE
SBLT2-10-40-ETFE	10 (23.09) [7.04]	40 (12.2)	ETFE
SBLT2-15-60-ETFE	15 (34.63) [10.56]	60 (18.3)	ETFE
SBLT2-20-60-ETFE	20 (46.18) [14.08]	60 (18.3)	ETFE
SBLT2-5-40	5 (11.54) [3.52]	40 (12.2)	Polyurethane
SBLT2-10-40	10 (23.09) [7.04]	40 (12.2)	Polyurethane
SBLT2-15-60	15 (34.63) [10.56]	60 (18.3)	Polyurethane
SBLT2-20-60	20 (46.18) [14.08]	60 (18.3)	Polyurethane
SBLT2-3.5M-5M	4.97 (11.48) [3.5]	16.40 (5)	Polyurethane
SBLT2-5M-10M	14.21 (32.81) [5]	32.81 (10)	Polyurethane
SBLT2-10M-18M	25.58 (59.06) [15]	59.06 (18)	Polyurethane

*Configured ranges below 5 psi (11.54' w.c.) (3.52 m w.c.) $\pm 1\%$ FS accuracy.
Note: For intrinsically safe approval, change model number from SBLT2 to SBLTX. For custom ranges or cable lengths, contact factory.

OPTIONS	
Model	Description
-ATEX	ATEX intrinsically safe
-P1	1/4" NPT male
-P2	1/4" NPT female
-P3	1/4" BSPT male ISO 228 R
-P4	1/4" BSPT female ISO 228 RC
-P11	3/4" clean-out type



-P11 option

ACCESSORIES	
Model	Description
A-297	Dessicant filter for vent tube. Removes humidity for protection of the sensor. Changes color to show saturation
A-625	316 SS cable hanger use with NPT option for attaching chain for easy pulling out of application
MTL5541	Galvanic barrier
MTL7706	Intrinsically safe zener barrier



A-297



A-625