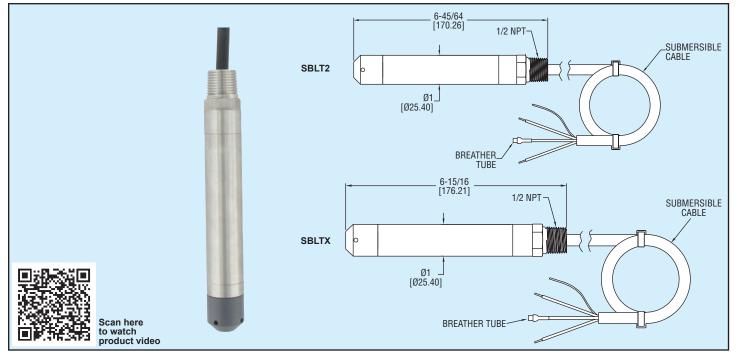


Submersible Level Transmitters

SBLTX Perfect for Ground Water and Wells, Lightning Protected







SBLT2 and SBLTX Submersible Level Transmitters are manufactured for years of trouble free service in the harshest applications. Both measure the height of liquid above the position in the tank referenced to atmospheric pressure. The transmitters consist of a piezoresistive sensing element, encased in a 316 SS housing. Bullet nose design protects the diaphragm from damage.

The SBLT2 incorporates 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). The SBLTX is UL approved intrinsically safe for use in hazardous locations when used with proper

Units come equipped with a 270-pound tensile strength shielded and vented cable. Ventilation tube in the cable automatically compensates for changes in atmospheric pressure above the tank. The vent is protected with a maintenance free filter eliminating particulate or water droplets from entering the transducers.

FEATURES

- · Excellent chemical compatibility
- · Lightning and surge protection on SBLT2 models
- · Maintenance free vent filter
- · UL approved intrinsically safe on SBLTX models
- · Slim design for tight applications

APPLICATIONS

Well monitoring; Ground water monitoring; Environmental remediation; Surface water monitoring; Down hole; Water tanks.

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

OPTIONS

Intrinsically Safe Approval - Change model number from SBLT2 to SBLTX

Custom ranges or Cable Lengths- Contact the factory

SPECIFICATIONS

Service: Compatible liquids Wetted Materials: 316 SS, 316L SS, epoxy; Cable: Polyurethane or ETFE; Bullet nose: PVC.

Accuracy: ±0.25% of full-scale. Temperature Limit: SBLT2: 0 to 150°F (-18 to 66°C); SBLTX: 0 to 176°F (-18 to 80°C).

Compensated Temperature Range:

SBLT2: 0 to 140°F (-18 to 60°C); SBLTX: 0 to 176°F (-18 to 80°C). Thermal Effect: ±0.02% full-scale/°F.

Pressure Limit: 2X full-scale. Power Requirement: SBLT2: 13 to 30 VDC: SBLTX: 10 to 28 VDC

Output Signal: 4 to 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.

Weight: 2.2 lb (1.0 kg). Electrical Protection: SBLT2: Lightning and surge protection; SBLTX:

Agency Approvals: SBLT2: None; SBLTX: CE, cUL intrinsically safe for Class I, Div. 1, Groups A, B, C, D; Class II, Div. 1, Groups E, F, G; Class III Div. 1. (According to control drawing

ACCESSORIES

MTL5041, intrinsically safe galvanic isolator MTL7706, intrinsically safe zener barrier



A-297. Dessicant Filter for vent tube. Removes humidity for protection of the sensor. Changes color to show saturation

01-700797-00).



A-625, 316 SS Cable Hanger use with NPT option for attaching chain for easy pulling out of application

