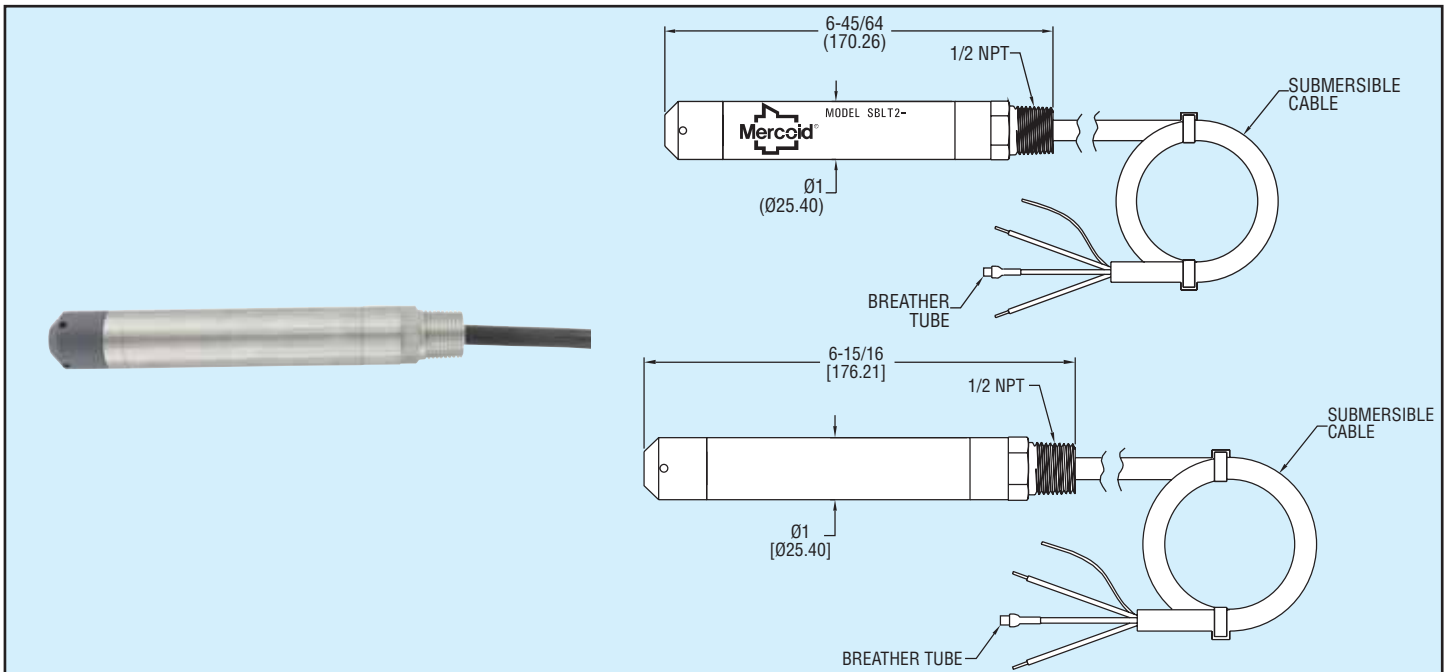




Series  
SBLT2  
&  
SBLTX

# Submersible Level Transmitter

Perfect for Ground Water and Wells, Lightning Protected or Intrinsically Safe



**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 transmitter consists 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 barrier.

Units comes 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 transducer.

- 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 hold; Water Tanks.

Model Number	Range psi (ft wc) [m wc]	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

## SPECIFICATIONS

**Service:** Compatible liquids.

**Wetted Materials:** 316 SS, 316L SS, Buna-N; Cable: Polyurethane or ETFE; Bullet Nose: PVC.

**Accuracy:**  $\pm 0.25\%$  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:**  $\pm 0.02\%$  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 ohms 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: None.

**Agency Approvals:** SBLT2: None; SBLTX: CE, UL 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 01-700797-00)

## OPTIONS

**Intrinsically Safe Approval-** Change model number from SBLT2 to SBLTX

**Custom ranges or Cable Lengths**

## ACCESSORIES

**MTL5041**, intrinsically safe galvanic isolator

**MTL7706**, intrinsically safe zener barrier