LEVEL

SUBLT2 & SBLTX

SUBMERSIBLE LEVEL TRANSMITTERS

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

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.

**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: ±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 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: ±0.02% FS/F.
- Pressure Limit: ±0.02% 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: Lighting 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 IIIC T135C Da (according to control drawing 001833-43)**.

**OPTIONS**

**ACCESSORIES**

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Range psi* (ft w.c.) [m w.c.]</th>
<th>Cable Length ft (m)</th>
<th>Cable Type</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>SBLT2-5-40-ETFE</td>
<td>5 (11.54) [3.52]</td>
<td>40 (12.2)</td>
<td>ETFE</td>
<td>A-297</td>
</tr>
<tr>
<td>SBLT2-10-40-ETFE</td>
<td>10 (23.09) [7.04]</td>
<td>40 (12.2)</td>
<td>ETFE</td>
<td>A-297</td>
</tr>
<tr>
<td>SBLT2-15-50-ETFE</td>
<td>15 (34.63) [10.56]</td>
<td>60 (18.3)</td>
<td>ETFE</td>
<td>A-297</td>
</tr>
<tr>
<td>SBLT2-20-60-ETFE</td>
<td>20 (46.18) [14.08]</td>
<td>60 (18.3)</td>
<td>ETFE</td>
<td>A-297</td>
</tr>
<tr>
<td>SBLT2-5-40</td>
<td>5 (11.54) [3.52]</td>
<td>40 (12.2)</td>
<td>Polyurethane</td>
<td>A-625</td>
</tr>
<tr>
<td>SBLT2-10-40-ETFE</td>
<td>10 (23.09) [7.04]</td>
<td>40 (12.2)</td>
<td>Polyurethane</td>
<td>A-625</td>
</tr>
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<td>SBLT2-15-50-ETFE</td>
<td>15 (34.63) [10.56]</td>
<td>60 (18.3)</td>
<td>Polyurethane</td>
<td>A-625</td>
</tr>
<tr>
<td>SBLT2-20-60-ETFE</td>
<td>20 (46.18) [14.08]</td>
<td>60 (18.3)</td>
<td>Polyurethane</td>
<td>A-625</td>
</tr>
<tr>
<td>SBLT2-3.5M-5M</td>
<td>4.97 (11.48) [3.5]</td>
<td>16.40 (5)</td>
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<td>A-625</td>
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<tr>
<td>SBLT2-5M-10M</td>
<td>7.44 (18.29) [3.5]</td>
<td>32.81 (10)</td>
<td>Polyurethane</td>
<td>A-625</td>
</tr>
<tr>
<td>SBLT2-10M-18M</td>
<td>14.21 (35.68) [5]</td>
<td>59.06 (18)</td>
<td>Polyurethane</td>
<td>A-625</td>
</tr>
<tr>
<td>SBLT2-20M-40M</td>
<td>28.95 (73.84) [10]</td>
<td>139.15 (42)</td>
<td>Polyurethane</td>
<td>A-625</td>
</tr>
</tbody>
</table>

**ACCESSORIES**

- A-625: Galvanic barrier

**ACCESSORIES**

- MTL5541: Intrinsically safe barrier
- MTL7706: Galvanic barrier

**Options**

- **A-625**
- **A-297**

**Note:** For intrinsically safe approval, change model number from SBLT2 to SBLTX. For custom ranges or cable lengths, contact factory.