The SERIES MBLT Miniature Submersible Level Transmitters 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 0.63" (16 mm) diameter 316 SS housing.

**FEATURES/BENEFITS**

- Slender 0.63" (16 mm) diameter design fits in narrow openings
- Constructed for years of trouble free service with welded 316 SS body and 316 SS nose cap
- Body top is 316 SS and tapered to prevent damage or snares when pulling the unit out the installation
- ±0.10% or ±0.25% FS accuracy output is more precise than BFSL or BSL rated transducers
- Incorporates lightning and surge protection, eliminating both power supply surges and lightning ground strike transients (surge protection is not guaranteed and is not covered by warranty)
- Comes with a choice of polyether polyurethane or ETFE cable materials for excellent chemical compatibility
- Incorporates lightning and surge protection, eliminating both power supply surges and lightning ground strike transients (surge protection is not guaranteed and is not covered by warranty)
- Maintenance free filter eliminates particulate or water droplets from entering the transducer
- **APPLICATIONS**
  - Ballast tanks
  - Ground water monitoring
  - Surface water monitoring
  - Dewatering
  - Down hole
  - Remote telemetry
  - Remote flood monitoring
  - Narrow conduit or pipe installations
  - Remediation and environmental monitoring

**SPECIFICATIONS**

- **Service:** Compatible liquids.
- **Wetted Materials:** Body and nose: 316 SS; Cable: Polyether polyurethane or ETFE; Seals: Fluoroelastomer; Label: Polyolefin.
- **Accuracy:** ±0.10% or ±0.25% FS**.
- **Temperature Limits:** -4 to 176°F (-20 to 80°C).
- **Compensated Temperature Limits:** 0.25%; (0 to 70°C); 0.10%; (0 to 60°C).
- **Thermal Effect:** 0.25%; ±0.45% FS
- **Pressure Limit:** 2x FS.
- **Power Requirements:** Current output: 10 to 33 VDC; Voltage output: 8 to 33 VDC, 5 mA max (no load).
- **Output Signal:** 4 to 20 mA DC 2-wire or 0 to 5 V* (model depending).
- **Max Loop Resistance:** 1000 Ω @ 30 VDC (current output).
- **Voltage Output Impedance:** 10 Ω or 4.4 Ω / 100’ (voltage output).
- **Electrical Connections:** Wire pigtail.
- **Mounting Connection:** Suspended below point being monitored.
- **Electrical Protection:** Surge/lightning protected per EN61000-4-5, Class 5.
- **Weight:** Body: 0.235 lb (0.107 kg); Cable: 0.037 lb (0.017 kg) per foot.
- **Agency Approvals:** CE.

**OPTIONS**

- For custom ranges, cable lengths, or ETFE cable, contact the website.

**ACCESSORIES**

- **Model Description**

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model Description</th>
<th>Output Signal</th>
<th>Range psi</th>
<th>Cable Length</th>
<th>Cable Type</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>4 to 20 mA output Model ±0.10%</strong></td>
<td>±0.25%**</td>
<td>5 (11.54) [3.52]</td>
<td>Polyether polyurethane</td>
<td></td>
</tr>
<tr>
<td>MBLT-2SC-IVPF-5-40</td>
<td>6.50 (15) [4.57]</td>
<td>12.2 m</td>
<td>Polyether polyurethane</td>
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</tr>
<tr>
<td>MBLT-2SC-IVPF-15-50</td>
<td>14.22 (32.84) [10]</td>
<td>15.2 m</td>
<td>Polyether polyurethane</td>
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<tr>
<td>MBLT-2SC-IVPF-30-36</td>
<td>42.63 (98.43) [30]</td>
<td>40’</td>
<td>Polyether polyurethane</td>
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</tr>
<tr>
<td>MBLT-2SC-IVPF-100-120</td>
<td>43.31 (100) [30.48]</td>
<td>40’</td>
<td>Polyether polyurethane</td>
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</tr>
<tr>
<td>MBLT-2SC-IVPF-40-46</td>
<td>56.63 (131.25) [40]</td>
<td>46 m</td>
<td>Polyether polyurethane</td>
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</tr>
<tr>
<td>MBLT-2SC-IVPF-150-170</td>
<td>64.96 (150) [45.72]</td>
<td>170’</td>
<td>Polyether polyurethane</td>
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<tr>
<td>MBLT-2SC-IVPF-200-220</td>
<td>86.62 (200) [60.96]</td>
<td>220’</td>
<td>Polyether polyurethane</td>
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<tr>
<td>MBLT-2SC-IVPF-350-370</td>
<td>151.68 (350) [106.68]</td>
<td>370’</td>
<td>Polyether polyurethane</td>
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<tr>
<td>MBLT-2SC-IVPF-100-106</td>
<td>142.09 (328.08) [100]</td>
<td>106 m</td>
<td>Polyether polyurethane</td>
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<tr>
<td>MBLT-2SC-IVPF-200-206</td>
<td>284.18 (656.17) [200]</td>
<td>206 m</td>
<td>Polyether polyurethane</td>
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<tr>
<td>MBLT-2SC-IVPF-690-710</td>
<td>298.83 (690) [210.31]</td>
<td>710’</td>
<td>Polyether polyurethane</td>
<td></td>
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</tbody>
</table>