The Series MBLT Miniature Submersible Level Transmitter measures 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 of the installation
- ±0.10% or ±0.25% FS accuracy output is more precise than BFSL or BSL rated outputs used by most competitors
- Maintenance free filter eliminates particulate or water droplets from entering the transducer
- 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)

**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: ±0.25% or ±0.10% FS**.
- Temperature Limits: ±0.25%; (0 to 70°C); ±0.10%; (0 to 60°C).
- Thermal Effect: ±0.25%; ±0.45% FS TEB; 10.0%; ±0.30% FS TEB.
- 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).
- Response Time: < 50 ms.
- Max Loop Resistance: 1000 Ω @ 30 VDC (current output).
- Voltage Output Impedance: 10 Ω + 4.4 Ω / 100’ loop resistance (voltage output).
- 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
A-297 Desiccant filter for vent tube. Removes humidity for protection of the sensor. Changes color to show saturation

**MODEL CHART**

<table>
<thead>
<tr>
<th>Range psi (w.c.)</th>
<th>Cable Length</th>
<th>Cable Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 (11.54)</td>
<td>40’</td>
<td>Polyether polyurethane</td>
</tr>
<tr>
<td>6.50 (15)</td>
<td>40’</td>
<td>Polyether polyurethane</td>
</tr>
<tr>
<td>7.10 (16.40)</td>
<td>12.2 m</td>
<td>Polyether polyurethane</td>
</tr>
<tr>
<td>14.22 (32.84)</td>
<td>15.2 m</td>
<td>Polyether polyurethane</td>
</tr>
<tr>
<td>21.65 (50)</td>
<td>70’</td>
<td>Polyether polyurethane</td>
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<tr>
<td>28.42 (65.62)</td>
<td>26 m</td>
<td>Polyether polyurethane</td>
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<tr>
<td>42.63 (98.43)</td>
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<tr>
<td>43.31 (100)</td>
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<td>56.63 (131.23)</td>
<td>46 m</td>
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<tr>
<td>64.96 (150)</td>
<td>170’</td>
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<tr>
<td>85.25 (196.85)</td>
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<tr>
<td>151.58 (350)</td>
<td>370’</td>
<td>Polyether polyurethane</td>
</tr>
<tr>
<td>142.09 (328.08)</td>
<td>106’</td>
<td>Polyether polyurethane</td>
</tr>
</tbody>
</table>

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