MINIATURE SUBMERSIBLE LEVEL TRANSMITTER

Only 0.63” (16 mm) in Diameter, Perfect for Wells and Boreholes, Low Power Models for Telemetry Systems

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 of the installation
- ±0.10% or ±0.25% FS accuracy output is more precise than BFSL or BSL rated transducers
- 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)
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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: -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 TEB: 0.10%; ±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).
**4.3 to 4.9 psi (10 to 11.54 in w.c.) configured ranges ±0.30% FS accuracy

OPTIONS

For custom ranges, cable lengths, or ETFE cable, contact the factory for additional outputs.

ACCESSORIES

Dessicant filter for vent tube. Removes humidity for protection of the sensor. Changes color to show saturation.

A-297 Dessicant filter for vent tube. Removes humidity for protection of the sensor. Changes color to show saturation $19.00

MODEL CHART

<table>
<thead>
<tr>
<th>Range psi</th>
<th>Price</th>
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<tbody>
<tr>
<td>4 to 20 mA output</td>
<td>0 to 5 V output</td>
</tr>
<tr>
<td>Model ±0.10%</td>
<td>Model ±0.25%**</td>
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<tr>
<td>-</td>
<td>-</td>
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<tr>
<td>MBLT-2SC-IVPF-50-100</td>
<td>MBLT-2SC-IVPF-50-100</td>
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<tr>
<td>MBLT-2SC-IVPF-50-150</td>
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<tr>
<td>MBLT-2SC-IVPF-50-400</td>
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</tbody>
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