SUBMERSIBLE LEVEL TRANSMITTERS
Perfect for Sludge and Slurries, Lightning Protected

The SERIES PBLT2 & PBLTX Submersible Level Transmitters are manufactured for years of trouble free service in the harshest applications. 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 with cage and large diameter 316 SS diaphragm seal.

FEATURES/BENEFITS
- Durable cage design with large diameter 316 SS diaphragm seal that is non-clogging and damage resistant to floating solids
- Incorporates lightning and surge protection utilizing dual arrester 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) on PBLT2 models
- Maintenance free filter eliminates particulate or water droplets from entering the transducer
- UL approved intrinsically safe on PBLTX models for use in hazardous locations when used with proper barrier
- 270 lb tensile strength shielded and vented cable
- UL approved intrinsically safe galvanic isolator
- Intrinsically safe zener barrier
- Wire pigtail.
- Removable humidity for protection of the sensor. Changes color to show saturation
- Dessicant filter for vent tube.
- Ingress protection: NEMA 4X and 6P (IP68)
- Response Time: 50 ms.
- Loop Resistance: 900 Ω.
- Output Signal: 4 to 20 mA DC, two wire.
- Pressure Limit: 150 psig.
- Accuracy: ±0.25% FS (includes linearity, hysteresis, and repeatability).
- Thermal Effect: ±0.02% FS/°F.
- Temperature Limit: PBLT2: 0 to 200°F (-18 to 93°C); PBLTX: 0 to 176°F (-18 to 80°C).
- Compensated Temperature Range: PBLT2: 0 to 180°F (-18 to 82°C); PBLTX: 0 to 176°F (-18 to 80°C).
- Weight: PBLT2: 3.6 lb (1.6 kg). PBLTX: 4.3 lb (2.0 kg).

APPLICATIONS
- Wastewater
- Sludge pits, clarifiers, digesters
- Alum tanks
- Chemical storage tanks
- Oil tanks
- Lime slurry
- Sumps
- Reservoirs

MODEL CHART

<table>
<thead>
<tr>
<th>Model</th>
<th>Range psi*</th>
<th>Cable Length ft (m)</th>
<th>Cable Type</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>PBLT2-5-40</td>
<td>5 (11.54)</td>
<td>40 (12.2)</td>
<td>ETFE</td>
<td>$597.00</td>
</tr>
<tr>
<td>PBLT2-10-40</td>
<td>10 (23.09)</td>
<td>40 (12.2)</td>
<td>ETFE</td>
<td>618.00</td>
</tr>
<tr>
<td>PBLT2-15-60</td>
<td>15 (34.63)</td>
<td>60 (18.3)</td>
<td>ETFE</td>
<td>681.00</td>
</tr>
<tr>
<td>PBLT2-20-60</td>
<td>20 (46.18)</td>
<td>60 (18.3)</td>
<td>ETFE</td>
<td>681.00</td>
</tr>
<tr>
<td>PBLT2-5-40</td>
<td>5 (11.54)</td>
<td>40 (12.2)</td>
<td>Polyurethane</td>
<td>489.00</td>
</tr>
<tr>
<td>PBLT2-10-40-P</td>
<td>10 (23.09)</td>
<td>40 (12.2)</td>
<td>Polyurethane</td>
<td>489.00</td>
</tr>
<tr>
<td>PBLT2-15-60</td>
<td>15 (34.63)</td>
<td>60 (18.3)</td>
<td>Polyurethane</td>
<td>519.00</td>
</tr>
<tr>
<td>PBLT2-20-60</td>
<td>20 (46.18)</td>
<td>60 (18.3)</td>
<td>Polyurethane</td>
<td>519.00</td>
</tr>
<tr>
<td>PBLT2-5-40</td>
<td>5 (11.54)</td>
<td>40 (12.2)</td>
<td>Polyurethane</td>
<td>489.00</td>
</tr>
<tr>
<td>PBLT2-10-40-P</td>
<td>10 (23.09)</td>
<td>40 (12.2)</td>
<td>Polyurethane</td>
<td>489.00</td>
</tr>
<tr>
<td>PBLT2-15-60</td>
<td>15 (34.63)</td>
<td>60 (18.3)</td>
<td>Polyurethane</td>
<td>519.00</td>
</tr>
<tr>
<td>PBLT2-20-60</td>
<td>20 (46.18)</td>
<td>60 (18.3)</td>
<td>Polyurethane</td>
<td>519.00</td>
</tr>
</tbody>
</table>

*Configured ranges below 5 psi (11.54 ft w.c.) (3.52 m w.c.) ±1% FS accuracy

Note: For intrinsically safe approval, change model number from PBLT2 to PBLTX and +$100.00 to above price. For custom ranges or cable lengths, contact the website for pricing.

SPECIFICATIONS

Service: Compatible liquids.
Wetted Materials: 316 SS, 316L SS, epoxy, cable: ETFE or polyurethane.
Accuracy: ±0.25% FS (includes linearity, hysteresis, and repeatability).
Temperature Limit: PBLT2: 0 to 200°F (-18 to 93°C); PBLTX: 0 to 176°F (-18 to 80°C).
Compensated Temperature Range: PBLT2: 0 to 180°F (-18 to 82°C); PBLTX: 0 to 176°F (-18 to 80°C).
Thermal Effect: ±0.02% FS/°F.
Pressure Limit: 150 psig.
Mounting Orientation: Suspended in tank below level being measured.

ACCESSORIES

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTL5041</td>
<td>Intrinsically safe galvanic isolator</td>
<td>$790.00</td>
</tr>
<tr>
<td>MTL7706</td>
<td>Intrinsically safe zener barrier</td>
<td>418.00</td>
</tr>
<tr>
<td>A-297</td>
<td>Desiccant filter for vent tube.</td>
<td>19.00</td>
</tr>
<tr>
<td>A-625</td>
<td>Removes humidity for protection of the sensor. Changes color to show saturation</td>
<td>25.00</td>
</tr>
</tbody>
</table>

*Note: Items are subject to Schedule B discounts.