**Level Transmitters, Submersible**

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

**Benefits/Features**
- 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 arrestor technology, grounded to case, eliminating both power supply surges and lightning ground strikes (surge protection is not guaranteed and is not covered by warranty)
- Maintenance free filter eliminates particulate or water droplets from entering the transmitter
- UL approved intrinsically safe on PBLT2 models
- 270 lb tensile strength shielded and vented cable
- Excellent chemical compatibility
- NPT connection allows the unit to be rigidly installed in a pipe/conduit, or the addition of a A-625 hanging loop for attaching a chain for pulling out of the installation
- Standard 72 hour lead time ensures minimal downtime

**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.

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

**Series PBLT2 & PBLTX Submersible Level Transmitters**

**MONOGRAMMED BY DWYER**

**Perfect for Sludge and Slurries, Lightning Protected, Standard 72 Hour Lead Time**

**Series PBLT2 & PBLTX**

**Model Chart**

<table>
<thead>
<tr>
<th>Model</th>
<th>Range psi* (ft w.c.)</th>
<th>Range psi* (m w.c.)</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) [3.52]</td>
<td>15 (34.63) [10.56]</td>
<td>60 (18.3)</td>
<td>ETFE</td>
<td>$632.00</td>
</tr>
<tr>
<td>PBLT2-10-40</td>
<td>10 (23.09) [7.04]</td>
<td>20 (46.18) [14.08]</td>
<td>60 (18.3)</td>
<td>ETFE</td>
<td>$632.00</td>
</tr>
<tr>
<td>PBLT2-15-60</td>
<td>15 (34.63) [10.56]</td>
<td>30 (60.50) [18.3]</td>
<td>60 (18.3)</td>
<td>ETFE</td>
<td>$726.00</td>
</tr>
<tr>
<td>PBLT2-20-60</td>
<td>20 (46.18) [14.08]</td>
<td>40 (12.2)</td>
<td>60 (18.3)</td>
<td>ETFE</td>
<td>$726.00</td>
</tr>
<tr>
<td>PBLT2-5-40-PU</td>
<td>5 (11.54) [3.52]</td>
<td>30 (60.50) [18.3]</td>
<td>40 (12.2)</td>
<td>Polyurethane</td>
<td>$516.00</td>
</tr>
<tr>
<td>PBLT2-10-40-PU</td>
<td>10 (23.09) [7.04]</td>
<td>40 (12.2)</td>
<td>40 (12.2)</td>
<td>Polyurethane</td>
<td>$516.00</td>
</tr>
<tr>
<td>PBLT2-15-60-PU</td>
<td>15 (34.63) [10.56]</td>
<td>60 (18.3)</td>
<td>50 (15.2)</td>
<td>Polyurethane</td>
<td>$552.00</td>
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<tr>
<td>PBLT2-20-60-PU</td>
<td>20 (46.18) [14.08]</td>
<td>80 (24.4)</td>
<td>50 (15.2)</td>
<td>Polyurethane</td>
<td>$552.00</td>
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<tr>
<td>PBLT2-5-40-PUM</td>
<td>5 (11.54) [3.52]</td>
<td>30 (60.50) [18.3]</td>
<td>40 (12.2)</td>
<td>Polyurethane</td>
<td>$474.60</td>
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<tr>
<td>PBLT2-10-40-PUM</td>
<td>10 (23.09) [7.04]</td>
<td>40 (12.2)</td>
<td>30 (9.1)</td>
<td>Polyurethane</td>
<td>$503.40</td>
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<tr>
<td>PBLT2-15-60-PUM</td>
<td>15 (34.63) [10.56]</td>
<td>50 (15.2)</td>
<td>30 (9.1)</td>
<td>Polyurethane</td>
<td>$503.40</td>
</tr>
</tbody>
</table>

**Options**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>-ATEX</td>
<td>ATEX intrinsically safe</td>
<td>+$110.00</td>
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</tbody>
</table>

**Specifications**

- **Service:** Compatible liquids.
- **Wetted Materials:** Body: 316 SS, 316L SS; Cable: Polyether polyurethane or ETFE; Seals: Fluoroelastomer.
- **Accuracy:** ±0.25% FS (includes linearity, hysteresis, and repeatability).
- **Temperature Limit:** PBLT2: 0 to 200°F (-18 to 93°C); PBLTX: ETFE -4 to 176°F (-20 to 80°C); Polyurethane: -4 to 149°F (-20 to 65°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:** 2X FS.
- **Power Requirement:** PBLT2: 12-30 VDC; PBLTX: 10-28 VDC.
- **Output Signal:** 4-20 mA DC, 2-wire.
- **Response Time:** 50 ms.
- **Loop Resistance:** 900 Ω.
- **Electrical Connection:** Wire pigtail.
- **Mounting Orientation:** Suspended in tank below level being measured.
- **Electrical Protection:** PBLT2: Lightning and surge protection; PBLTX: None.
- **Weight:** 4.3 lb (2.0 kg).
- **Agency Approvals:** PBLT2: CE; PBLTX: CE, 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 001833-44)**.

**Accessories**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-297</td>
<td>Dessicant filter for vent tube. Removes humidity for protection of the sensor. Changes color to show saturation</td>
<td>$20.50</td>
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<tr>
<td>A-625</td>
<td>316 SS cable hanger use with NPT option for attaching chain for easy pulling out of application</td>
<td>26.75</td>
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<tr>
<td>MTL5541</td>
<td>Galvanic barrier</td>
<td>856.00</td>
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<td>MTL7706</td>
<td>Intrinsically safe zener barrier</td>
<td>463.00</td>
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- **Items are subject to Schedule B discounts.**