The Series FBLT Flush Tip 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 narrow 316 SS housing with PTFE coated flush diaphragm tip.

**FEATURES/BENEFITS**
- Flush diaphragm tip will not clog in harsh applications
- 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
- Narrow body design allows the FBLT to fit into stilling wells and narrow installations
- Optional NPT connection allows the unit to be rigidly installed in a pipe/conduit, or the addition of the A-625 hanging loop for attaching a chain for pulling out of the installation

**APPLICATIONS**
- Sewage lift stations
- Industrial slurries
- Industrial sumps
- Landfill leachate
- Reservoirs
- Sludge pits
- Oil tanks

**SPECIFICATIONS**
- Service: Compatible liquids.
- Wetted Materials: Body: 316 SS; Cable: Polyether polyurethane or ETFE; Diaphragm: PTFE coated FKM fluoroelastomer; Label: Polyethylene polyamid.
- Accuracy: ±0.25% FS (10’ w.c. range is ±0.30% FS).
- Temperature Limits: -4 to 176°F (-20 to 80°C).
- Compensated Temperature Limits: 32 to 140°F (0 to 60°C).
- Thermal Effect: ±0.0075%/°F (±0.0135%/°C).
- Pressure Limit: ±0.005% FS.
- Power Requirements: 2x range.
- Output Signal: 4 to 20 mA DC 2-wire.
- Response Time: < 50 ms.
- Electrical Protection: Surge/lightning protected per EN61000-4-5, Class 5.
- Electrical Connections: Wire pigtail.
- Mounting Connection: Suspended below point being monitored.
- Agency Approvals: CE.

**OPTIONS**
- To order add suffix: Description
  - -NPT 1/2” NPT connection to connect conduit, piping, or cable hanger. All
  - -FC Factory calibration certificate
  - Example: FBLT-2SC-IVPF-20-40-FC

**ACCESSORIES**
- Model Description
  - A-297 Descendant filter for vent tube. Removes humidity for protection of the sensor. Changes color to show saturation
  - A-625 316 SS cable hanger use with NPT option for attaching chain for easy pulling out of application

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Range psi (’ w.c.)</th>
<th>Cable Length</th>
<th>Cable Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>FBLT-2SC-IVPF-10-20*</td>
<td>4.33 (10) [3.05]</td>
<td>20</td>
<td>Polyurethane</td>
</tr>
<tr>
<td>FBLT-2SC-IVPF-10-30*</td>
<td>4.33 (10) [3.05]</td>
<td>30</td>
<td>Polyurethane</td>
</tr>
<tr>
<td>FBLT-2SC-IVPF-20-40</td>
<td>5 (11.54) [3.52]</td>
<td>40</td>
<td>Polyurethane</td>
</tr>
<tr>
<td>FBLT-2SC-IVPF-30-50</td>
<td>6.50 (15) [4.57]</td>
<td>50</td>
<td>Polyurethane</td>
</tr>
<tr>
<td>FBLT-2SC-IVPF-80-100</td>
<td>15 (34.63) [10.56]</td>
<td>60</td>
<td>ETFE</td>
</tr>
<tr>
<td>FBLT-2SC-IVPF-90-120</td>
<td>15 (34.63) [10.56]</td>
<td>60</td>
<td>ETFE</td>
</tr>
<tr>
<td>FBLT-2SC-IVPF-100-140</td>
<td>10 (32.09) [7.04]</td>
<td>60</td>
<td>Polyurethane</td>
</tr>
<tr>
<td>FBLT-2SC-IVPF-110-150</td>
<td>10 (32.09) [7.04]</td>
<td>60</td>
<td>Polyurethane</td>
</tr>
<tr>
<td>FBLT-2SC-IVPF-120-160</td>
<td>15 (34.63) [10.56]</td>
<td>60</td>
<td>Polyurethane</td>
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<tr>
<td>FBLT-2SC-IVPF-130-180</td>
<td>15 (34.63) [10.56]</td>
<td>60</td>
<td>Polyurethane</td>
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<tr>
<td>FBLT-2SC-IVPF-140-200</td>
<td>20 (196.85) [60]</td>
<td>60</td>
<td>Polyurethane</td>
</tr>
</tbody>
</table>

*Note: Cables can be ordered shorter or longer in polyurethane or ETFE. Other ranges are available and can be ordered in psi, ft w.c., or m w.c.

Please see website.