**Model UT Ultrasonic Level Transmitter** provides reliable, noncontact measurement for liquid level control in tanks and other vessels. Integral electronics generate an ultrasonic pulse which is transmitted through the air space in the tank. The pulse is reflected back to the sensor at the liquid/air interface. From the received echo, the time of flight can be calculated which is directly proportional to the distance of the liquid surface to the sensor. A continuous 4 to 20 mA output signal is generated and updated every half second. Units feature a fully adjustable zero and span, height and distance mode adjustment, lost echo LED indication, and reverse polarity protection.

**Model UT125** Ultrasonic Level Transmitter, CPVC

**SPECIFICATIONS**
- **Range:** 10 ft (3 m).
- **Service:** Liquids.
- **Wetted Material:** UT125: CPVC.
- **Accuracy:** ±0.25% full scale.
- **Repeatability:** 1/8” (3.2 mm) typical.
- **Temperature Limits:** Sensor: -20 to 160°F (-29 to 71°C), Electronics: -10 to 170°F (-23 to 77°C) compensated over full range of sensor.
- **Pressure Limits:** 100 psig (6.9 bar).
- **Beam Angle:** Conical 12°.
- **Power Requirements:** 16 to 30 VDC.
- **Output Signal:** 4 to 20 mA DC isolated, 4-wire.
- **Zero and Span Adjustments:** Zero: 6” to 114” (15 to 290 cm), Span: 1” to 120” (2.5 to 305 cm).
- **Process Connection:** 3/4˝ male NPT.
- **Enclosure Rating:** UT125: NEMA 7, cast aluminum.
- **Mounting Orientation:** Vertical.
- **Weight:** UT125: 5 lb (2.3 kg).

**Series PLT Piezoresistive Level Transmitters** provide reliable measurement and control of process levels by sensing the hydrostatic pressure in a tank. The loop-powered level transmitter delivers a 4 to 20 mA output signal proportional to hydrostatic pressure and specific gravity of the fluid for indicating, recording or control purposes. Easily accessible zero and span potentiometers make calibration in the field quick and simple. Units are equipped with EMI and reverse polarity protection.

**APPLICATIONS**
Monitor and control levels of water, chemicals, lubricants, or paints in vented tanks. Ideal for fluids with suspended solids such as wastewater and slurries.

<table>
<thead>
<tr>
<th>MODEL NUMBER</th>
<th>RANGE</th>
<th>MOUNTING</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLT1040</td>
<td>1 psig</td>
<td>2 ft (0.61 m)</td>
</tr>
<tr>
<td>PLT1050</td>
<td>1 psig</td>
<td>2 ft (0.61 m)</td>
</tr>
<tr>
<td>PLT2040</td>
<td>5 psig</td>
<td>10 ft (3.05 m)</td>
</tr>
<tr>
<td>PLT2050</td>
<td>5 psig</td>
<td>10 ft (3.05 m)</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**
- **Service:** Compatible liquids.
- **Wetted Materials:** 316 SS and PTFE.
- **Accuracy:** ±0.25% of span.
- **Repeatability and hysteresis:** ± 0.10% of full range.
- **Temperature Limits:** 0 to 200°F (-18 to 93°C).
- **Compensated Temperature Range:** 0 to 180°F (-18 to 82°C).
- **Pressure Limit:** 3 times the full range.
- **Power Requirements:** 18 to 30 VDC.
- **Output Signal:** 4 to 20 mA, 2 wire.
- **Zero and Span Adjustments:** Zero adjustment for elevation compensation: 25%.
- **Loop Resistance:** 1000 Ohms at 24 VDC.
- **Electrical Connections:** Screw terminal.
- **Conduit Connection:** 1/2” female NPT.
- **Process Connection:** 2 or 3˝ 150# flange, 3˝ 300# flange.
- **Enclosure Rating:** Weatherproof.
- **Mounting Orientation:** Any position.
- **Weight:** NPT Connection: 7.95 lb (3.61 kg), 2˝ flange connection: 11.85 lb (5.38 kg).
- **Fill Solution:** Silicone oil.
- **Vibration Limits:** ±1 g, 10 to 200 Hz.
- **Options:** See process connection for other connection options. 10 psi (.69 bar) up to 500 psi (34.47 bar) ranges.