The Series ULT Ultrasonic Level Transmitter provides non-contact measurement of liquid levels in an explosion-proof body. It is capable of measuring up to 32.8’ (10 m) with a PVDF sensor and 4-20 mA output.

**FEATURES/BENEFITS**
- Provides reliable, accurate, and non-contact level measurement of compatible liquids
- Non-contact technology offers no moving parts to wear, jam, corrode, or get coated like contact technologies
- Mapping software makes effective measuring surface only a 3” (76.2 mm) diameter column with no concerns of ladders, pipes, or other tank intrusions in the remaining sound cone
- FM approved explosion-proof making it ideal for use in hazardous locations
- Easy programming with 6 digit LCD display and simple menu structure
- Output range is adjustable with choices of inputting tank dimensions or by filling and emptying the tank while calibrating and it automatically and scaling to levels it senses
- Window cover allows easy viewing of display
- Fail-safe output options and diagnostic capabilities

**APPLICATIONS**
- Water and wastewater
- Pulp and paper processing
- Chemical processing
- Food and beverage

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Range</th>
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<tbody>
<tr>
<td>ULT-11</td>
<td>24.6’ (7.5 m)</td>
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<tr>
<td>ULT-21</td>
<td>32.8’ (10 m)</td>
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</table>

**SPECIFICATIONS**

- **Service**: Compatible fluids. Not for use with powder and bulk solids.
- **Ranges**: 24.6’ (7.5 m), 32.8’ (10 m).
- **Accuracy**: ±0.2% FS.
- **Resolution**: 0.079” (2 mm).
- **Blind Zone**: Under 8” (20 cm).
- **Beam Width**: 3” (7.6 cm) diameter.
- **Temperature Limits**: Ambient: -40 to 140°F (-40 to 60°C); Process: -4 to 140°F (-20 to 60°C).
- **Temperature Compensation**: -40 to 140°F (-20 to 60°C).
- **Pressure Limits**: 30 psi (2 bar) up to 25°C (77°C), Above 25°C (77°F), rating decreases 1.667 psi per 1°C increase. See chart.
- **Power Requirement**: 18-28 VDC (two-wire).
- **Output Signal**: 4-20 mA or 20-4 mA (two-wire).
- **Max. Loop Resistance**: 250 Ω at 24 VDC.
- **Electrical Connections**: Screw terminal.
- **Conduit Connection**: 1/2˝ NPT female (two) or optional M20.
- **Process Connection**: 2” NPT male or optional BSPT.
- **Enclosure Rating**: Weather-proof meets NEMA 4X (IP66), explosion-proof rated Class I, Div. 1, Groups B, C, D; Class II, Div. 1, Groups E, F, G.
- **Mounting Orientation**: Vertical.
- **Failsafe**: On lost echo after 30 seconds, user selectable to 4, 20, 21, 22 mA or last signal.
- **Memory**: Non-volatile.
- **Display**: 6 character LCD.
- **Units**: In, cm, ft, m, percent.
- **Programming**: 4 button.
- **Weight**: 4.0 lb (1.8 kg).
- **Agency Approvals**: CE, FM.

**TEMPERATURE/PRESSURE DERATING**

- **Operating Pressure psi**: 0 to 40
- **Operating Temperature °C**: -40 to 80
- **Unacceptable Range**: Operating Pressure above 40 psi
- **Acceptable Range**: Operating Temperature below 0 °C

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