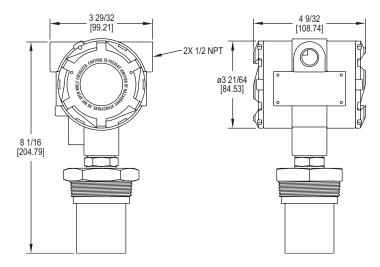
ULTRASONIC LEVEL TRANSMITTER Explosion-Proof, Mapping Software, 3" (76.2 mm) Measuring Column





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
- · Non-contact technology offers no moving parts to wear, jam, corrode, or get coated
- 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

Level Transmitters,

- · Water and wastewater
- · Pulp and paper processing
- · Chemical processing
- · Food and beverage

MODEL CHART	
Model	Range
ULT-11	24.6′ (7.5 m)
ULT-21	32.8′ (10 m)

SPECIFICATIONS

Service: Compatible fluids. Not for use with powder and bulk solids. Wetted Materials: Sensor: PVDF; Process connection: 303 SS; O-ring:

Fluoroelastomer.

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 (-40 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/III, 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

