

REFLECTIVE ULTRASONIC LEVEL TRANSMITTER

For Large Tanks

- ✓ Offered in 6m (19.6') and 12m (39.3') measurement ranges
- ✓ Corrosion resistant PVDF transducer with IP68 PP enclosure
- ✓ Fail-safe diagnostics with selectable signal fail-safe outputs
- ✓ LCD display indicates level in inches, meters or percent of span
- ✓ Narrow 3" (7.6cm) beam width for applications with limited space
- ✓ Windowed enclosure cap provides liquid tight level indication
- ✓ Configuration via push button display or LVCN414-SW software
- ✓ Automatic temperature compensation from -40° to 80° C.

The LVU700 Series general purpose reflective ultrasonic level transmitter provides continuous level measurement up to 39.3' (12m) with a 4-20 mA analog signal output and is configured via its integral push button display module or LVCN414-SW software. The non-contact liquid level sensor features our proprietary Reflective Technology™ that delivers reliable level measurement in condensing environments. Select this sensor for bulk tanks with chemicals, water, wastewater and oil (non-foaming and/or highly vaporous liquids). Typical applications include bulk storage, neutralization tank, clarifier and waste sumps.

Specifications

Range: LVU706: 8" to 19.6' (20cm to 6m),

LVU712: 18" to 39.3' (45.7cm to 12m)

Accuracy: ± 0.2% of range

Resolution: LVU706: 0.079" (2mm), LVU712: 0.196" (5mm)

Deadband: LVU706: 8" (20.3cm) , LVU712: 18" (45.7cm)

Beam width: LUV706: 3" (7.6cm), LUV712:



6" (15.2cm)

Configuration: Push button or WebCal® PC
Windows® USB® 2.0

Memory: Non-volatile

Display: LCD, 6-digit

Display units: Inch, cm, or percent

Supply voltage: 14-28 VDC

Max. consumption: 0.5W

Loop resistance: 500 ohms @ 24 VDC

Signal output: 4-20 mA, two-wire

Signal invert: 4-20 mA or 20-4 mA

Signal fail-safe: 4 mA, 20 mA, 21 mA, 22 mA, hold last

Process temp.: -40 to 176°F, (-40 to 80°C)

Temp. comp.: Automatic

Ambient temp.: -31 to 140°F, (-35 to 60°C)

Pressure: 30 psi (2 bar)

Enclosure rating: Type 6P (IP68)

Encl. material: Polypropylene

Encl. cap material: Clear polypropylene

Enclosure vent: Water tight membrane

Conduit entrance: ½" NPT

Transducer type: Reflective Ultrasonic

Transducer mat.: Polyvinylidene fluoride

Process mount: LVU706: 2" NPT or 2" G

LVU712: 3" NPT or 3" G

Mount gasket: 2" NPT: N/A, 2" G: Viton®

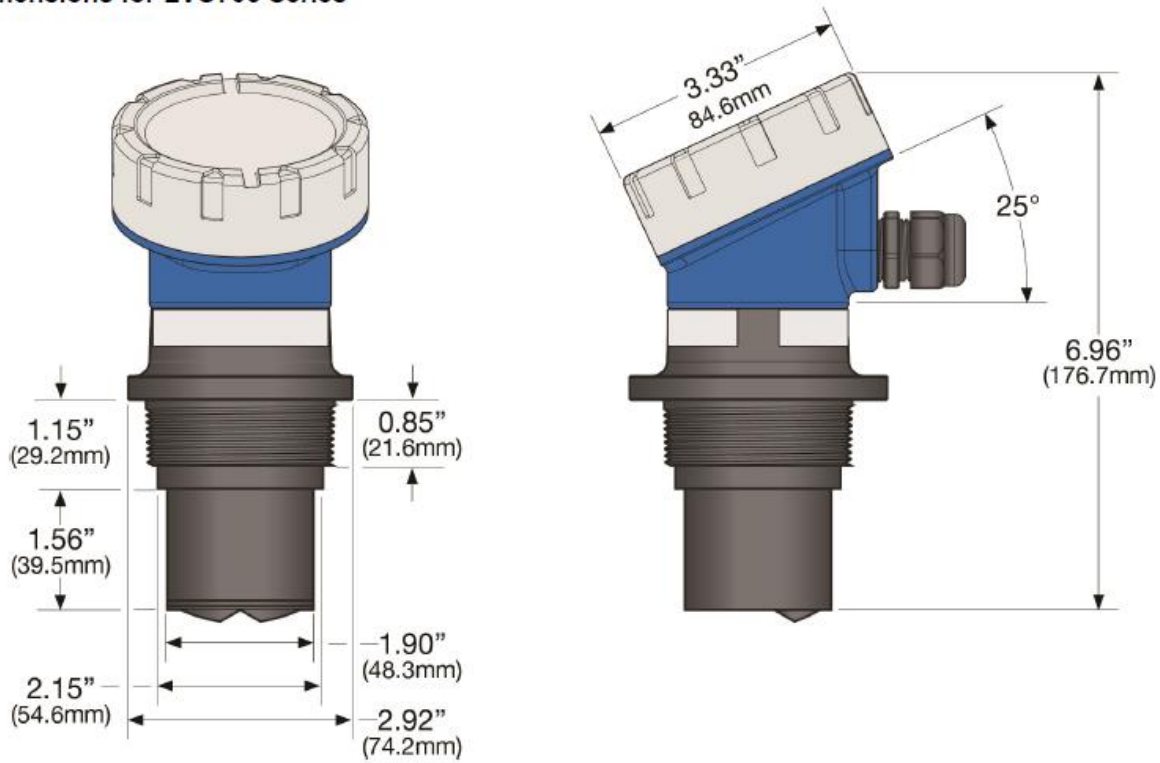
Classification: General purpose

Approval: UL 61010-1

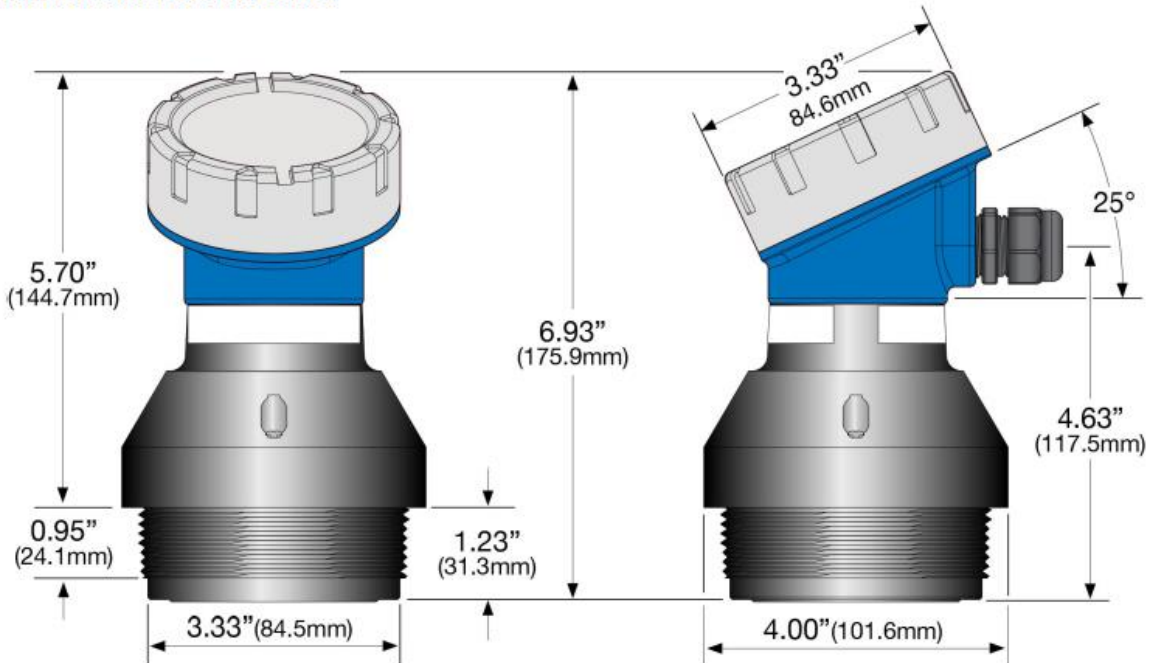
Compliance: CE, RoHS

Dimensions

Dimensions for LVU706 Series



Dimensions for LVU712 Series



To Order	
Model No.	Description
LVU706-B	2" NPT Level Transmitter 19.6 ft range, 4 to 20 mA output, w/o Fob USB Interface
LVU706	2" NPT Level Transmitter 19.6 ft range, 4 to 20 mA output, w/ Fob USB Interface
LVU706-G-B	2" BSPP Level Transmitter 19.6 ft range, 4 to 20 mA output, w/o Fob USB Interface
LVU706-G	2" BSPP Level Transmitter 19.6 ft range, 4 to 20 mA output, w/ Fob USB Interface
LVU712-B	2" NPT Level Transmitter 39.3 ft range, 4 to 20 mA output, w/o Fob USB Interface
LVU712	2" NPT Level Transmitter 39.3 ft range, 4 to 20 mA output, w/ Fob USB Interface
LVU712-G-B	2" BSPP Level Transmitter 39.3 ft range, 4 to 20 mA output, w/o Fob USB Interface
LVU712-G	2" BSPP Level Transmitter 39.3 ft range, 4 to 20 mA output, w/ Fob USB Interface
Accessories	
Model No.	Description
LVU500-USB	FOB for programming LVU500 or LVU700 series level transmitters