

## 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:** 2" NPT, or 2" G

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

**Classification:** General purpose

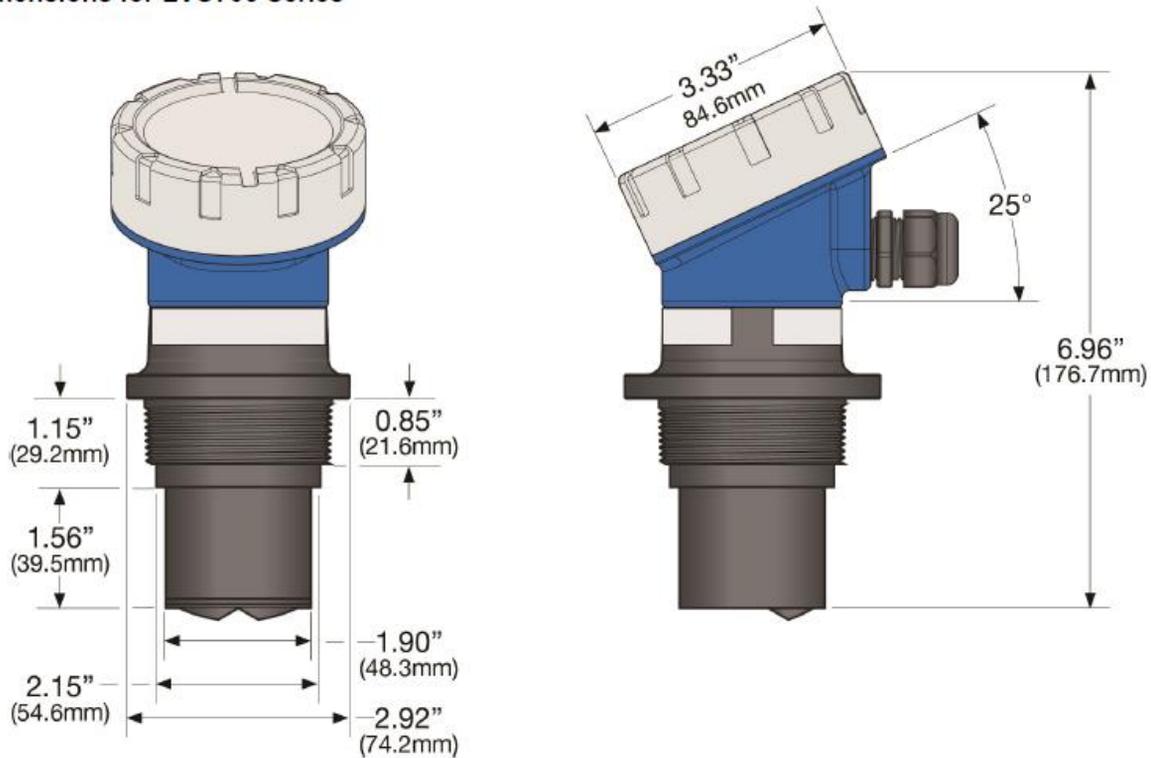
**Approval:** UL 61010-1

**Compliance:** CE, RoHS

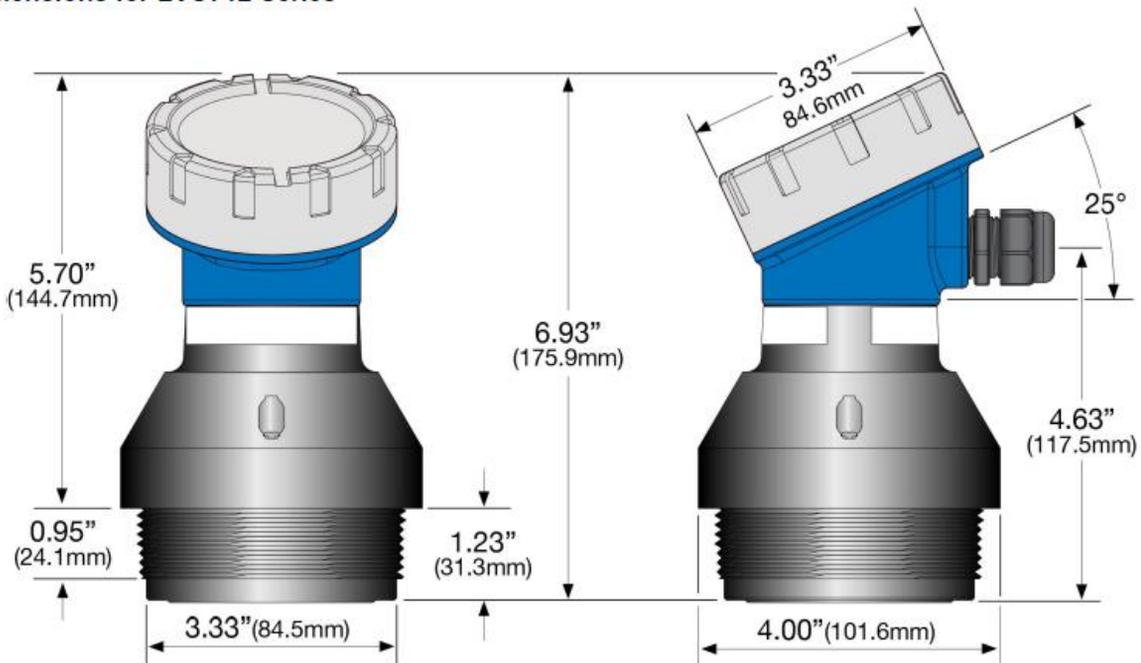


## Dimensions

### Dimensions for LVU706 Series



### Dimensions for LVU712 Series



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