

# ULTRASONIC LEVEL TRANSMITTER

## With PC Programming



### LVU2700 Series



- ✓ **4 Measurement Ranges** from 3 to 10 m (9.8 to 32.8')
- ✓ **Auto Adaptive Filters** Enable Plug and Play Operation
- ✓ **Fast and Easy Configuration** Via Free Software Download and USB Adaptor
- ✓ **Narrow 5 or 7.6 cm (2 or 3") Beam Width** and Short 10 or 20 cm (4 or 8") Dead Band
- ✓ **PVDF Transducer and NEMA 4X (IP65) Polycarbonate Enclosure**
- ✓ **Automatic Temperature Compensation** for Accurate Measurement

TRODEX's LVU2700 ultrasonic level transmitter provides continuous level measurement up to 10 m (32.8') with a 4 to 20 mA signal output, and is configured via free software download and a USB adaptor. This non-contact liquid level sensor is ideally suited for corrosive, ultrapure, sticky or dirty liquids, and is broadly selected for bulk storage, day tank, lift stations and process tank level applications.

### SPECIFICATIONS

#### Range

LVU2710: 10 cm to 3 m (4" to 9.8')  
 LVU2718: 20 cm to 5.5 m (8" to 18.0')  
 LVU2726: 20 cm to 8 m (8" to 24.6')  
 LVU2732: 20 cm to 10 m (8" to 32.8')

**Accuracy:**  $\pm 0.2\%$  of range

#### Resolution

LVU2710: 0.5 mm (0.019")  
 LVU2718: 1 mm (0.039")  
 LVU2726/32: 2 mm (0.079")

#### Dead Band

LVU2710: 10 cm (4")  
 LVU2718/26/32: 20 cm (8")

#### Beam Width

LVU2710: 5 cm (2")  
 LVU2718/26/32: 7.6 cm (3")

**Configuration:** USB PC Windows®

**USB 2.0 Memory:** Non-volatile.

The level sensor is configurable via our free PC software download and USB adaptor. The sensors are offered with and without USB connectors. Connectors can be used to configure any compatible level product.

**Supply Voltage:** 24 Vdc (loop)

**Consumption:** 0.5 W

**Loop Resistance:** 500  $\Omega$  @ 24 Vdc

**Signal Output:** 4 to 20 mA, two-wire



LVU2710

**Signal Invert:** 4 to 20 mA or 20 to 4 mA

**Signal Fail-Safe:** 4 mA, 20 mA, 21 mA, 22 mA or hold last

**Process Temp:** -20 to 60°C (-4 to 140°F)

**Temp Comp:** Automatic

**Ambient Temp:** -35 to 60°C (-31 to 140°F)

**Pressure:** Maximum Working Pressure = 2 bar (30 psi)

**Enclosure Rating:** NEMA 4X (IP65)

**Enclosure Material:** Polycarbonate

**Trans Material:** PVDF

**Cable Jacket Material:** Polyurethane

**Cable Type:** 4-conductor, shielded

**Process Mount:**

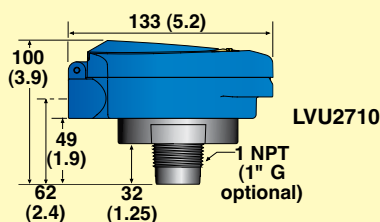
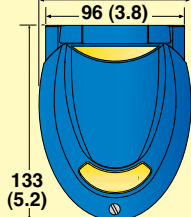
LVU2710: 1 NPT (1" G optional)

LVU2718/26/32: 2 NPT (2" G optional)

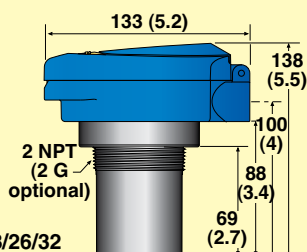
**Mount Gasket:** FKM

**Classification:** General purpose

Dimensions:  
mm (inch)



LVU2710



LVU2718/26/32

To Order		vu2700 for Pricing and Detail	
Model No.	Description		
LVU2710	Ultrasonic level transmitter with USB connector, range 3 m (9.8')		
LVU2718	Ultrasonic level transmitter with USB connector, range 5.5 m (18')		
LVU2726	Ultrasonic level transmitter with USB connector, range 8 m (26.2')		
LVU2732	Ultrasonic level transmitter with USB connector, range 10 m (32.8')		
LVU2710-B*	Ultrasonic level transmitter, range 3 m (9.8')		
LVU2718-B*	Ultrasonic level transmitter, range 5.5 m (18')		
LVU2726-B*	Ultrasonic level transmitter, range 8 m (26.2')		
LVU2732-B*	Ultrasonic level transmitter, range 10 m (32.8')		
LVCN414-USB	USB connector (1 required for -B models, sold separately)*		

1 NPT, 3 m (9.8') range.