

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

OMEGA'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.



LVU2710

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. Download your free copy at: omega.com/ftp

Supply Voltage: 24 Vdc (loop)

Consumption: 0.5 W

Loop Resistance: 500 Ω @ 24 Vdc

Signal Output: 4 to 20 mA, two-wire

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:

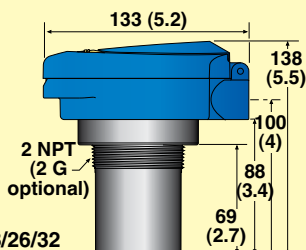
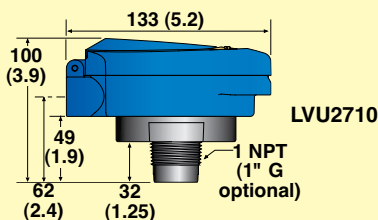
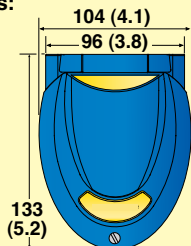
LVU2710: 1 NPT (1" G optional)

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

Mount Gasket: FKM

Classification: General purpose

Dimensions:
mm (inch)



To Order Visit omega.com/lvu2700 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)*

Comes complete with software, mounting gasket and operator's manual.

For units with G threads add "-G" to model number, for additional cost.

Configuration software for programming available free at omega.com/ftp

Ordering Example: LVU2710, level transmitter with 4 to 20 mA output and USB connector, 1 NPT, 3 m (9.8') range.