

ULTRASONIC NON-CONTACT REMOTE LIQUID LEVEL TRANSMITTER

LVU-1000
Starts at
\$1850



- ✓ **Very Small Sensor with 3/4 NPT Mounting (LVU-1000)**
- ✓ **0.3 to 9 m (0.5 to 30') Range on the LVU-1010**
- ✓ **Programmable Zero, Span, and Four Alarm Setpoints**

The LVU-1000 ultrasonic non-contact transmitter consists of the transducer and state-of-the-art microprocessor-based electronics housed in a NEMA 4X (IP65) enclosure. The LVU-1000 Series microtransducer has a 3/4 NPT mount for ranges of from 0.15 to 3.7 m (0.5 to 12'). It will fit into hard-to-reach spaces such as existing capacitance system installations. Its small size and high accuracy make this sensor ideal for all types of liquid level measurement as well as product runoff.

The LVU-1010 is ideal for tanks where size is not a limitation. The LVU-1010 has 2 NPT mounting threads and a range of 0.3 to 9 m (1 to 30').

A continuous 4 to 20 mA output as well as four alarm setpoints (adjustable in increments of 0.1" over entire span) are provided to satisfy a number of applications. Programming is done through a pair of pushbutton entry switches and an internal display. Multiple control parameters can be programmed to provide many complex control applications.

SPECIFICATIONS

Range:

LVU-1000: 0.15 to 3.7 m (0.5 to 12') with 3/4 NPT

LVU-1010: 0.3 to 9 m (1 to 30') with 2 NPT

Repeatability: 3.2 mm (1/8") typical

Accuracy: Analog output, 0.25% FS

Temperature Compensation:

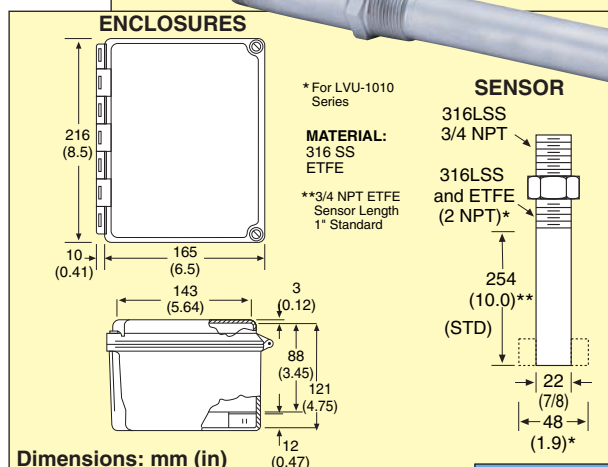
Automatic over full range of sensor operating temperature

Input Power: 115 Vac 50/60 Hz standard; 230 Vac 50/60 Hz and 24 Vdc optional

Output Signal: 4 to 20 mA DC (isolated)

Controls: Programmable zero and span, height and distance mode

LVU-1004A, \$1850, shown with 3/4 and 2 NPT sensors, shown smaller than actual size. Only one sensor supplied with indicator.



Display: 4-digit

Alarm Setpoints: Four 10A at 120 Vac or 28 Vdc SPDT relays, programmable in increments of 0.1", independent lost echo relay

Temperature Range:

Sensor: -29 to 82°C (-20 to 180°F);

Electronics: -29 to 77°C (-20 to 170°F)

Sensor

Construction: 316 SS, ETFE

Pressure Rating: 316 SS: 250 psig PTFE, PVDF, CPVC: 100 psig

Cable: 6.1 m (20') standard, max to 30.5 m (100')

Electronics Enclosure:

NEMA 4X (IP65) Fiberglass

Mounting: 3/4 NPT: range up to 3.7 m (12'); 2 NPT: range up to 9.1 m (30')

MOST POPULAR MODEL HIGHLIGHTED!

To Order (Specify Model No.)

Model No.	Price	Sensor Material	Sensor Length mm (")
3/4 NPT, 0.5 to 12' Span			
LVU-1002	\$1971	316 SS	254 (10)
LVU-1004A	1850	ETFE	25.4 (1)
2 NPT, 1 to 30' Span			
LVU-1012	2050	316 SS	254 (10)
LVU-1014A	2050	ETFE	254 (10)

Comes complete with operator's manual.

For 1" sanitary fitting: add "-S" to model number and add \$200 to price (3/4" models only).

For 24 Vdc operation: add suffix "-24V" to model number, no additional cost.

For 230 Vac operation: add suffix "-230V" to model number, add \$25 to price.

Ordering Examples: LVU-1002, 3/4 NPT transmitter, 316 SS construction, \$1971.

LVU-1014A, 2 NPT transmitter, ETFE construction, \$2050.

omega.co.uk®

Your One-Stop Source for Process Measurement and Control!

Freephone 0800 488 488 | International +44(0) 161 777 6622 | Fax +44(0) 161 777 6622 | Sales@omega.co.uk

www.omega.co.uk



UNITED STATES

www.omega.com

1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca

Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de

Deckenpfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk

Manchester, England
0800-488-488
+44-(0)161-777-6611

FRANCE

www.omega.fr

0800-466-342

BENELUX

www.omega.nl

0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders, Relative Humidity Measurement Instruments, PT100 Probes, PT100 Elements, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples, Thermowells and Head and Well Assemblies, Transmitters, Thermocouple Wire, RTD Probes

• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers, Plug-in Cards, Signal Conditioners, USB, RS232, RS485, Ethernet and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters