



Flowline EchoSonic® II Ultrasonic Level Transmitters

- Ideal for measuring level of bulk storage tanks, day tanks and waste sumps
- Industry leading miniature dead band maximizes the filling capacity of tanks
- 2 to 3" beam diameter— great for applications with restricted space



These general purpose two-wire ultrasonic transmitters provide non-contact level measurement at ranges up to 32.8 feet (depending on model). They are great for tough corrosives, slurry or waste liquids. Use them in a broad range of applications, including atmospheric bulk storage, day tanks, waste sumps, process vessels, IBC totes, 55-gallon drums and waste sump applications.

These compact units stand only 1.7" above the tank top! Plus, their applied beam width is narrowed to an amazing 3" or less of minimum required free space across the span, making them perfect for use where space is limited.

The EchoSonic II's advanced self-test diagnostics constantly monitor the transmitter and its application. If a problem happens, the transmitter holds at your designated 21-mA or 22-mA signal. Transmitters feature a corrosion-proof NEMA 4X polycarbonate enclosure that is completely sealed, and a PVDF transducer.

Configuring your transmitter

Transmitter includes a Fob USB Interface Tool that lets you configure all EchoSonic II transmitters. Also required is a free WebCal download from Flowline. This innovative PC user interface provides fast and accurate transmitter configuration. Download at flowline.com/webcal.lasso.



EchoSonic II level transmitter shown in lift station application.

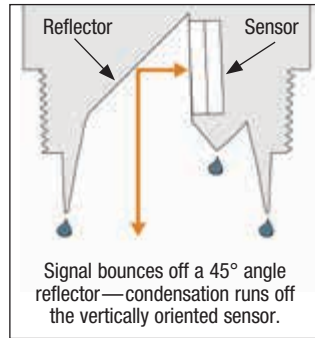
Note: For installation on open tanks, order the optional side mount bracket (stock # 65886 or 65887). Be sure to place the bracket far enough inboard from the side wall to avoid sensor beam width conflicts.

Range:	up to 32.8'
Accuracy:	±0.2% range
Output:	4-20 mA, 2-wire
Dead band:	LU27: 4"; LU28 & LU29: 8"
Beam width:	LU27: 2"; LU28 & LU29: 3"
Transmitter material:	PVDF
Power:	24 VDC, 0.5W
Operating conditions:	-4 to 140°F
Enclosure:	polycarbonate, NEMA 6P
Cable length:	10'

MFR #	DESCRIPTION	RANGE	MOUNTING	STOCK #	EACH
LU27-01	Level Transmitter	9.8'	1" NPT(M)	66187	\$
LU28-01	Level Transmitter	26.2'	2" NPT(M)	66188	
LU29-01	Level Transmitter	32.8'	2" NPT(M)	66189	

Accessories

MFR #	DESCRIPTION	STOCK #	EACH
LM50-1001-1	Side Mounting Bracket, 1" NPT Units Only	65887	\$
LM50-1001	Side Mounting Bracket, 2" NPT Units Only	65886	
—	Power Supply, 24-VDC, 7.5W	74178	
—	1-Channel SafeZap™ Surge Protection Barrier	17701	
—	DIN Rail, 1 Meter x 35 mm	71088	



Flowline EchoPod® UG06 and UG12 Ultrasonic Level Transmitters

- Continuous level measurement of storage tanks, day tanks and waste sumps
- Reflective Technology™ sensor pushes away condensation for reliable readings
- LCD display allows for easy setup



13961

The EchoPod UG06 and UG12 are ideal for general purpose non-contact level measurement in applications involving corrosive or waste liquids. Use them to measure level in atmospheric bulk storage tanks, day tanks and waste sump applications. A narrow 3" beam diameter is great for applications with limited space.

An integral LCD display and keypad make these units easy to configure. The rugged PVDF transducer uses Reflective Technology, which features a unique design that sheds condensation from the surface face to keep ultrasonic signals strong. The polypropylene enclosure is NEMA 6P/IP68-rated for accidental submersion.



Setup can be performed right on the device.

Note: You can use WebCal software (free download on Flowline website) and a USB fob (sold below; stock # 13904) to configure your transmitter rather than using the keypad. Models with intrinsically safe ratings are also available; contact USABlueBook for more information.

Accuracy:	±0.2% of range
Display:	LCD, 6-digit
Output:	4-20 mA 2-wire
LCD indication:	inch, cm, or percent
Materials:	polypropylene, clear polycarbonate, PVDF
Conduit entrance:	1/2" NPT
Process connection:	13961: 2" NPT(M); 13962: 3" NPT(M)
Beam width:	13961: 3"; 13962: 6"
Operating conditions:	30 psi, -40 to 176°F
Power:	14-28 VDC
Enclosure:	NEMA 6P/IP68
Dimensions:	13961: 2.92"Dia x 6.96"H; 13962: 4"Dia x 6.93"H
Agency approvals:	CE, UL

MFR #	DESCRIPTION	DEADBAND	RANGE	STOCK #	EACH
UG06-0001-00	Level Transmitter	8"	19.6'	13961	\$
UG12-0001-00	Level Transmitter	18"	39.3'	13962	

Accessories

MFR #	DESCRIPTION	STOCK #	EACH
LI99-2001	USB Fob	13904	\$
LM50-1001	Side Mounting Bracket (For Stock # 13961 Only)	65886	