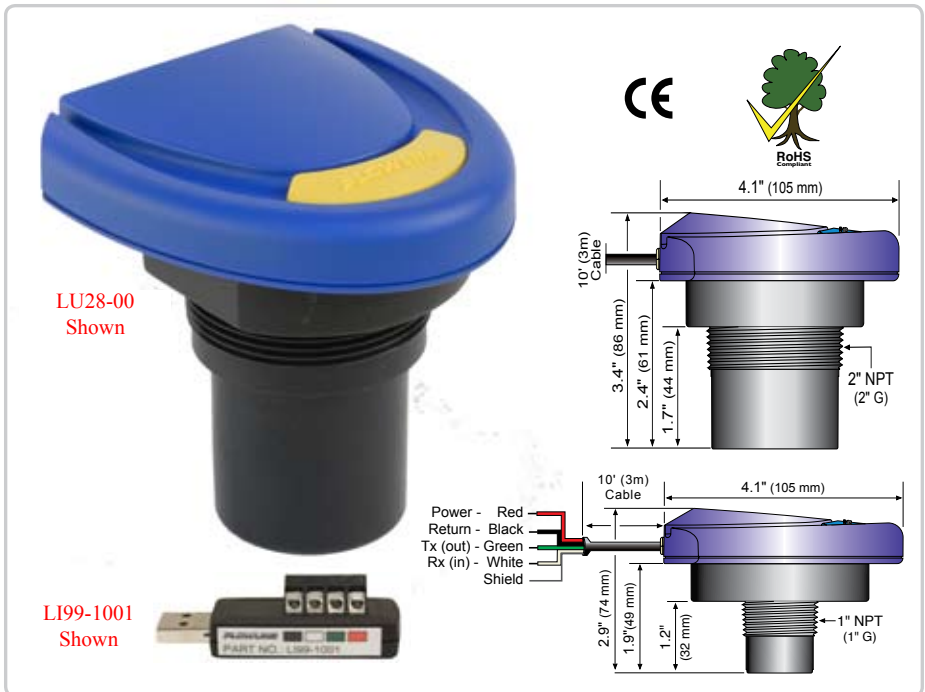


EchoSonic II™ Ultrasonic Level Transmitter

Specifications

Range:	LU27: 4" to 8.2' (10 cm to 2.5 m) LU28: 8" to 24.6' (20 cm to 7.5 m) LU29: 8" to 32.8' (20 cm to 10 m)
Accuracy:	± 0.2% Range
Resolution:	LU27: 0.019" (0.5 mm) LU28/29: 0.079" (2 mm)
Beam width:	LU27: 2" (5 cm) dia. LU28/29: 3" (7.6 cm) dia.
Dead band:	LU27: 4" (10 cm) LU28/29: 8" (20 cm)
Memory:	Non-volatile
Supply voltage:	24 VDC
Consumption:	0.5W
Loop resist.:	500Ω Ohms @ 24 VDC
Signal output:	4-20 mA, two-wire
Signal invert:	4-20 mA or 20-4 mA
Configuration:	WebCal® PC Windows® USB 2.0
Fail-safety:	4 mA, 20 mA, 21 mA, 22 mA or hold last
Process temp.:	F: -4° to 140° C: -20° to 60°
Temp. comp.:	Automatic
Ambient temp.:	F: -31° to 140° C: -35° to 60°
Pressure:	MWP = 30 PSI
Enclosure rating:	Type 6P encapsulated, corrosion resistant & submersible
Encl. material:	Polycarbonate
Trans. material:	PVDF
Cable jacket mat.:	Polyurethane
Cable type:	4-cond., shielded
Cable length:	10' (3m)
Process mount:	LU27: 1" NPT (1" G) LU28/29: 2" NPT (2" G)
Mount. gasket:	Viton®
Classification:	General purpose
Compliance:	RoHS
Approvals:	CE, cFMus



Description

The general purpose two-wire ultrasonic transmitter provides non-contact level measurement up to 32.8' (10 m), and is well suited for challenging ultra-pure, corrosive, slurry or waste liquids. The transmitter is broadly selected for atmospheric bulk storage, day tank, waste sump, process vessel, IBC tote, 55-gallon drum and waste sump applications. Media examples include acetic acid and resin.

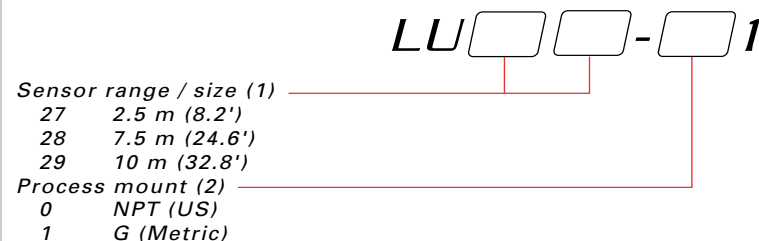
Fob USB®

The Fob USB interface tool (LI99-1001) and WebCal are necessary to change EchoSonics from the factory configuration. One Fob will configure all EchoSonics.

Features

- ✓ WebCal, an innovative PC user interface that provides fast and accurate configuration.
- ✓ Offered in 3 measurement ranges up to 32.8' (10 m).
- ✓ Optimize sensor placement with unmatched beam width for applications with restricted space.
- ✓ Industry leading miniature dead band maximizes the filling capacity of vessels.
- ✓ Polycarbonate enclosure rated NEMA 4X with PVDF transducer.

EchoSonic II Ordering



Ordering Notes

- 1) The NEMA 4X includes a standard 10' (3m) cable. To special order a 15' max (7.6m) cable, place the cable length at the end of the part number (ie: LU28-00-15).
- 2) For installation on open tanks, order the LM50-1001-1 (1" NPT) or LM50-1061-1 (1" G) side mount bracket; or order the LM50-1001 (2" NPT) or LM50-1061 (2" G) side mount bracket.
- 3) WebCal is a free download from our website at www.flowline.com/webcal (Windows® XP Compatible).