

Flowline Online Sales
 Call : 888.773.2832
 Email :
 sales@flowlineonlinesales.com
 Fax : 636.537.1405



“EchoSonic™” Ultrasonic Level Transmitters

Features & Benefits

- Simple compact sensor with target calibration and LED status indicator
- Offered in four measurement ranges up to 8m with 1” and 2” transducers
- 5 cm minimum beam width for applications with restricted space
- 5 cm miniature dead band optimizes the filling capacity of small vessels
- PC/ABS enclosure rated NEMA 6 or NEMA 4X with PVDF transducer
- Fail-safe intelligence with diagnostic feedback for easy troubleshooting
- The general purpose two-wire ultrasonic transmitter provides non-contact level measurement up to 26’ or 8m, and is well suited for challenging ultrapure, 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.

Specifications

Range:	2” to 26.2’ (5cm to 8m)
Accuracy:	± 0.2% of span in air
Beam width:	LU05/12: 2” (5cm) dia.; LU11/13: 3” (7.6cm) dia.
Dead band:	LU05: 2” (5cm); LU11/13: 4” (10cm); LU13: 8” (20cm)
Supply voltage:	12-28 VDC
Signal output:	4-20 mA, two-wire
Calibration:	Target, calibration wire
Process temp:	F: -4° to 140°; C: -20° to 60°
Pressure:	30 psi (2 bar)
Cable length:	10’ (3m)
Enclosure rating:	50_1: NEMA 6 (IP67); 51_1: NEMA 4X (IP65)
Process mount:	1” / 2” NPT (1” / 2” G)
Trans. material:	PVDF
Classification:	General purpose

EchoSonic

LU -5 1

Sensor range / size

- 05 1.2m (4’) / 1”
- 12 3m (9.8’) / 1”
- 11 5m (16.4’) / 2”
- 13 8m (26.2’) / 2”

Enclosure / termination (1) (2)

- 0 NEMA 4X / cable
- 1 NEMA 4X / conduit

Process mount (3)

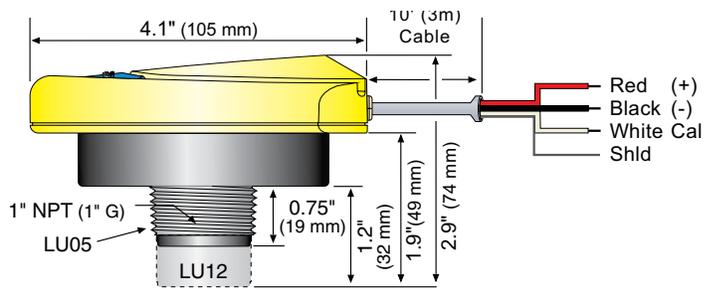
- 0 NPT (US)
- 6 G (Metric)

Ordering Notes

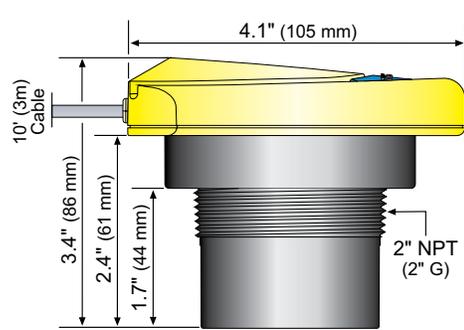
- 1) The NEMA 6 includes a standard 10’ (3m) cable. To special order a 25’ (7.6m) or 50’ (15.2m) cable, place the cable length at the end of the part number (ie: LU12-5001-25).
- 2) The NEMA 4X enclosure has a flip-lid with dual conduit ports and a terminal strip.
- 3) For installation on open tanks, 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.

EchoSonic Ultrasonic Level Transmitter Details

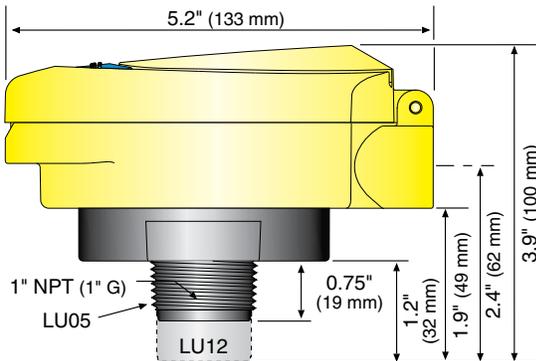
LU05/12-50_1 Side View



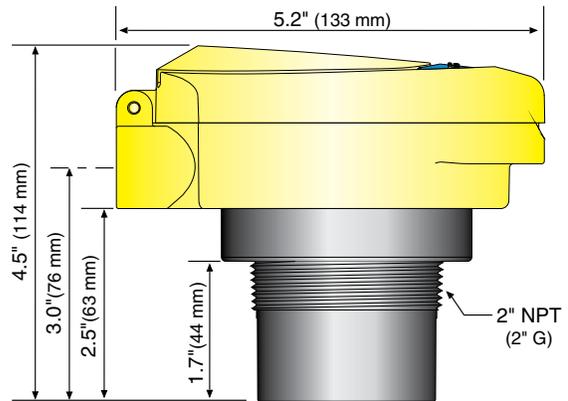
LU11/13-50_1 Side View



LU05/12-51_1 Side View

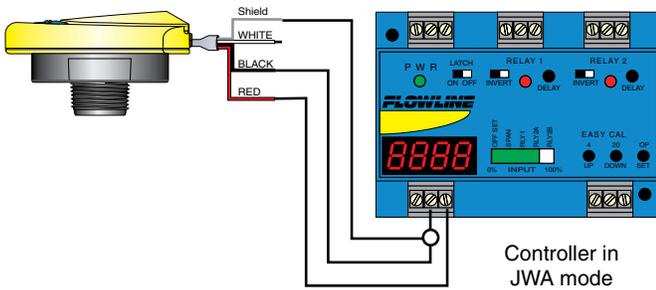


LU11/13-51_1 Side View

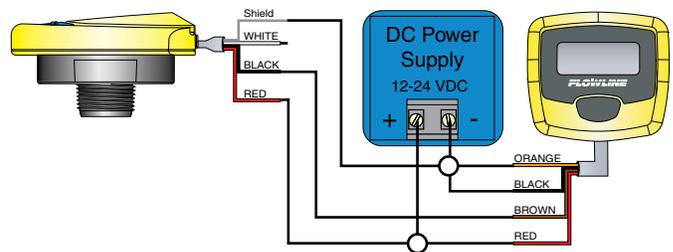


Specifications are subject to change without notice.

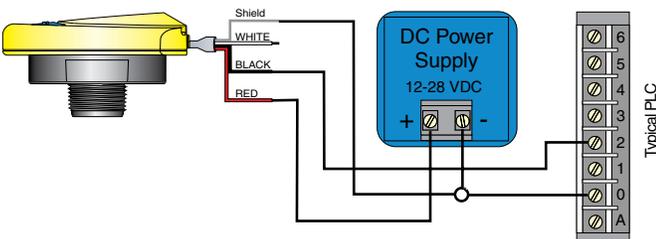
To LC52 Relay Controller



To LI42 MicroPoint Display



To PLC



To LI1_ Universal Panel Meter

