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EchoSonicTM Two-Wire Ultrasonic Level Transmitter



Application

The general purpose two-wire ultrasonic transmitter provides non-contact level measurement up to 26.2' or 8m, and is well suited for challenging corrosive, slurry or waste liquids. The transmitter is broadly selected for atmospheric bulk storage, day tank, process vessel, IBC tote, 55-gallon drum and waste sump applications. Media examples include acetic acid and resin.

Features

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 PC/ABS enclosure rated NEMA 6 or NEMA 4X with PVDF transducer
Fail-safe intelligence with diagnostic feedback for easy troubleshooting

Specifications

Range: 2" to 26.2' (5cm to 8m)
Accuracy: $\pm 0.2\%$ 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) 1"/2" NPT (1"/2" G)

Process mount: 1" / 2"
Trans. material: PVDF

Classification: General purpose



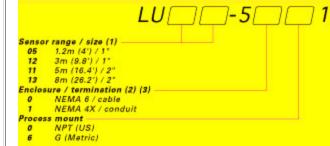
Tech Tip

The 4-20 mA span set points are easily calibrated in seconds using the calibration wire, DC power supply and flat reflective target. Just hold the transmitter at the desired range and turn power ON until the logo plate illuminates. Its level made simple.



Part Numbers

- LU05-5001 LU05-5061 LU05-5101 LU05-5161
- LU12-5001 LU12-5061 LU12-5101 LU12-5161
- LU11-5001 LU11-5061 LU11-5101 LU11-5161
- LU13-5001 LU13-5061 LU13-5101 LU13- 5161



Ordering Notes

- For 18V battery powered target calibration with 4-20 mA span indication, order the LU96-1001 calibrator.
- 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).
- The NEMA 4X enclosure has a flip-lid with dual conduit ports and a terminal strip.

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