

EchoSpan™ Two-Wire Ultrasonic Level Transmitter



Application

The general purpose two-wire ultrasonic transmitter provides non-contact level measurement up to 32' or 10m, and is ideally suited for challenging ultrapure, corrosive or waste liquids. Push button calibrated, the transmitter is broadly selected for atmospheric bulk storage, day tank and waste sump applications. Media examples include wastewater and sodium hydroxide.

Features

Setup is fast and simple with push button calibration and LCD display. Offered in three measurement ranges up to 10m with 2" transducer. 6-segment LCD display indicates level in inch or centimeter values. 7.6 cm minimum beam width for applications with restricted space. PC/ABS enclosure rated NEMA 4X with rugged PVDF transducer. Fail-safe intelligence with diagnostic feedback for easy troubleshooting.

Specifications

Range:	4" to 32.8' (10cm to 10m)
Accuracy:	± 0.2% of span in air
Display type:	LCD, 6-digit
Beam width:	3" (7.6cm) diameter
Dead band:	LU81: 4" (10cm) LU83: 8" (20cm) LU84: 12" (30cm)
Supply voltage:	12-28 VDC
Signal output:	4-20 mA, two-wire
Calibration:	Push button
Process temp:	F: -4° to 140° C: -20° to 60°
Pressure:	30 psi (2 bar)
Conduit:	Dual, 1/2" NPT
Enclosure rating:	NEMA 4X (IP65)
Process mount:	2" NPT (2" G)
Trans. material:	PVDF
Classification:	General purpose

Tech Tip

Calibration is fast and simple with our scrolling single layer menu, three button interface and 6-segment LCD display. Troubleshooting is easy with our unique Setup and Diagnostic feedback modes. Setup displays the transmitter's calibration set points. Diagnostics provides users with a snapshot of sensor performance and application variables. Its full feature level made simple.



Part Numbers

- LU81-5101 LU81-5161
- LU83-5101 LU83-5161
- LU84-5101 LU84-5161

LU -51 1

Sensor range

81 5m (16.4')

83 8m (26.2')

84 10m (32.8')

Process mount (1) (2)

0 NPT (US)

6 G (Metric)

Ordering Notes

1) For installation on open tanks, order the LM50-1001 (2" NPT) or LM50-1061 (2" G) side mount bracket.

2) For a liquid tight cable connection, order the LM90-1001 connector.

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