DataLoop™ LI25 Intrinsically Safe Level Indicator

FLOWLINE®

Application

FM and CSA approved intrinsically safe, the loop powered level indicator displays engineering units connected in series with one 4-20 mA continuous level transmitter. Select the LI25-2001 level indicator for hazardous applications with an intrinsically safe sensor. For field mount installation, add a single or two indicator NEMA box.

CE   CSA® NRTL/C   FM APPROVED   IP 65

Features

- ☑ Easy configuration via the push button display module

- ☑ LCD main display with secondary unit and bar graph display

- ☑ DIN enclosure with NEMA 4X faceplate and shallow case

- ☑ Linear, square root and programmable exponent functions

- ☑ Non-volatile memory with security password protection

- ☑ Windowed NEMA box accessory for field installations

Key Benefits

- ☑ Simple display makes configuration easy

- ☑ Capable of displaying units in gallons, liters, inches, feet, meters, and percent of liquid

- ☑ Add 2 or 4 relays for direct control of pumps, valves or alarms

- ☑ Add repeater output to repeat input original to another PLC/SCADA or display

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Compatible Products

EchoTouch® IS
Ultrasonic Level Transmitter

LU20

Application

CSA approved intrinsically safe for use in hazardous locations, the two-wire ultrasonic transmitter provides non-contact level measurement up to 18' or 5.4m, and is ideally suited for challenging corrosive, slurry or waste liquids. Media examples include diesel fuel and sulfuric acid.

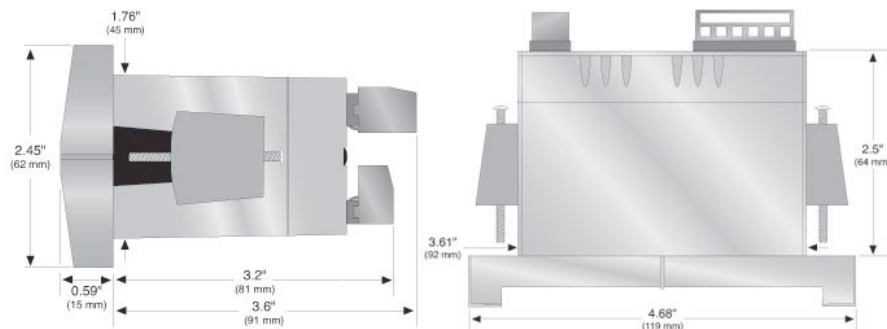### DeltaSpan™ IS
Pressure Level Transmitter

LD31/32

Application

The intrinsically safe submersible pressure level transmitter provides continuous level measurement up to 46' (14m) of water column with a 4-20 mA signal output. Select the LD31 for clean water, light weight oil or diluted chemicals and the LD32 for dirty, foaming or slurry type liquids.

Specifications

Display type:	LCD, 5-digit
Display units:	Engineering
Display output:	-9999 to 99999
Display height:	0.6" (15mm)
Decimal point:	Floating
Backlight:	LED, orange
Configuration:	Push button
Memory:	Non-volatile
Sensor input:	(1) 4-20 mA transmitter
Loop power:	12-30 VDC
Voltage drop:	2.0 VDC w/o backlight
	5.7 VDC w/ backlight
Ambient temp.:	F: -40° to 149°
	C: -40° to 65°
Enclosure type:	1/8 DIN, panel mount
Enclosure rating:	NEMA 4X (IP65) faceplate
Enclosure mat'l:	Polycarbonate
Classification:	Intrinsically safe
Compliance:	CE
Approvals:	FM, CSA: Class I,
	Div I, Groups A, B, C, D;
	Class II, Div I, Groups E, F,
	G; Class III, Div I; Class I,
	Zone 0, Group IIC;
	T-code = T4

Dimensions

Accessories

Protect your level indicator from the elements by using the below recommended single or two indicator NEMA box. Add an LC95 power supply for installation flexibility.

P/N	Description
LM91-1001	Single Indicator, Non-Windowed, 1/8 DIN, Polycarbonate
LM91-2001	Two Indicator, Non-Windowed, 1/8 DIN, Polycarbonate
LM92-1001	Single Indicator, Windowed, 1/8 DIN, Polycarbonate
LM93-1001	Two Indicator, Windowed, 1/8 DIN, Polycarbonate
LC95-1001	100-240 VAC, 24 VDC @ 0.60A, 35mm Rail

Ordering

LI25-2001(1)

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Notes

1) For field mount installation in a NEMA 4X polycarbonate box, order the LM91-1001 (single indicator, non-windowed) or LM-91-2001 (two indicator, non-windowed); or LM92-1001 (single indicator, windowed) or LM93-1001 (two indicator, windowed) enclosure.