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.

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

Compatible Products

EchoTouch® IS
Ultrasonic Level Transmitter

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.

LU20

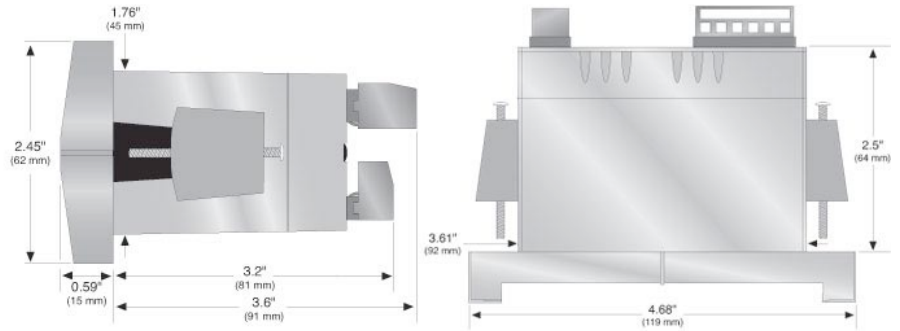### DeltaSpan™ IS
Pressure Level Transmitter

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.

LD31/32

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

1.76" (45 mm)
2.45" (62 mm)
0.59" (15 mm)
3.2" (81 mm)
3.6" (91 mm)
2.5" (64 mm)
3.61" (92 mm)
4.68" (119 mm)

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)

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.