

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
- ✓ Display receives its power and signal input via the current loop used by the level transmitter with only a 2 VDC voltage drop when the backlight is not enabled.

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.

DeltaSpan™ IS Pressure Level Transmitter



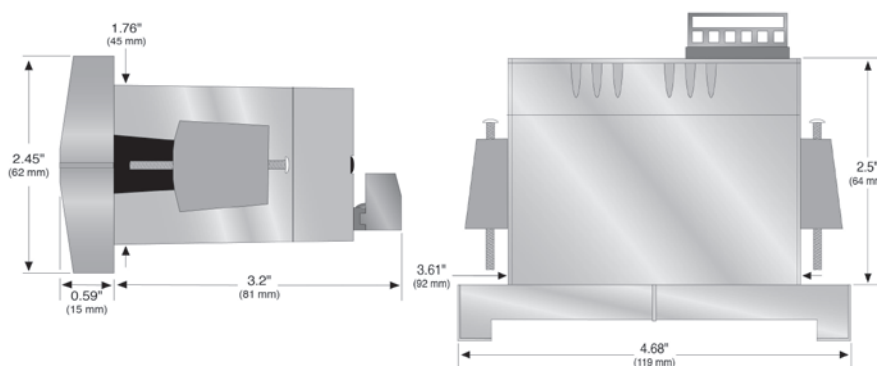
Application

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.

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
Process temp.:	F: -22° to 149° C: -30° to 65°
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, 2, Groups A, B, C, D; Class II, Div I, Groups E, F, G; Class II, Div 2, Groups G, G; Class III, Div I; Class 1, 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
LM91-1001
Description
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

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