

# DataLoop™ LI23 Series

Level Indicator



## Application

The general purpose loop powered level indicator displays engineering units connected in series with one 4-20 mA continuous level transmitter. 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
- Optional Solid-State Relays and 4-20mA Repeater Output

## Key Benefits

- Bright backlit display for easy night viewing
- Capable of displaying units in gallons, liters, inches, feet, meters or percent of liquid
- Receives power and signal via the transmitters current loop with only a 1.5 VDC drop (4.5 VDC drop with backlight)

## Compatible Products



**LG10/LG11**

**ECHOWAVE®**

Guided Wave Level  
Transmitter



**LU28**

**ECHOSONIC®**

Ultrasonic Level  
Transmitter



**UG01**

**ECHOPOD®**

Ultrasonic Level  
Transmitter



**LU83**

**ECHOSPAN®**

Ultrasonic Level  
Transmitter



**LR15**

**ECHOPULSE®**

Pulse Radar Level  
Transmitter

# DataLoop™ LI23 Series

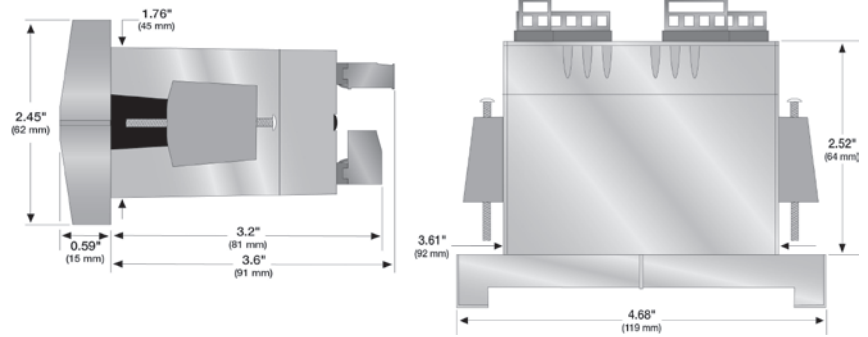
Level Indicator



## Specifications

<b>Display type:</b>	LCD, 5-digit top line 8-digit bottom line
<b>Display units:</b>	Engineering
<b>Display output:</b>	-9999 to 99999 (top) -9999999 to 99999999 (bottom)
<b>Display height:</b>	0.7" (17.8mm) top 0.4" (10.2) bottom
<b>Decimal point:</b>	Floating
<b>Backlight:</b>	LED
<b>Configuration:</b>	Push button
<b>Memory:</b>	Non-volatile
<b>Sensor input:</b>	(1) 4-20 mA transmitter
<b>Loop power:</b>	12-30 VDC
<b>Voltage drop:</b>	1.5 VDC w/o backlight 4.5 VDC w/ backlight
<b>Process temp.:</b>	F: -40° to 167° C: -40° to 75°
<b>Ambient temp.:</b>	F: -40° to 185° C: -40° to 85°
<b>Enclosure type:</b>	1/8 DIN, panel mount
<b>Enclosure rating:</b>	NEMA 4X (IP65) faceplate
<b>Enclosure mat'l:</b>	PPE & PS Blend
<b>Faceplate mat'l:</b>	Polycarbonate
<b>Classification:</b>	General purpose
<b>Compliance:</b>	CE

## Dimensions



## Accessories

Protect your field mounted display from the elements with the below recommended single or two indicator box. For reliable power, add a LC95 power supply.



**P/N**                      **DESCRIPTION**  
**LM92-1002**              Single indicator windowed, 1/8 DIN, PC



**LM92-2002**              Two indicator windowed, 1/8 DIN, PC



**LC95-2001**              100-240 VAC, 24 VDC @ 0.45A, 35mm rail

**SCIGATE**  
Your Automation Partner

**SCIGATE AUTOMATION (S) PTE LTD**  
No. 1 Bukit Batok Street 22 #01-01 Singapore 659592  
Tel: (65) 6561 0488                      Fax: (65) 6562 0588  
Email: sales@scigate.com.sg                      Web: www.scigate.com.sg  
Business Hours: Monday - Friday 8.30am - 6.15pm

## Ordering

LI23 - 1   1 (1)

### CONFIGURATION

- 0 Display only
- 2 Display with 2 relays

### REPEATER CONFIGURATION

- 0 No repeater
- 1 4-20 mA repeater

### NOTES

- 1) For field mount installation in a NEMA 4X, polycarbonate windowed enclosure, order the single or two indicator box.