

CE with

## **Application**



The general purpose float level transmitter provides continuous level measurement up to 6.5' (2m) with a 4-20 mA signal output, and is factory configured to your selected dimension. This stainless steel liquid level sensor is well suited for high temperature or pressure tank level applications with relatively clean liquids such as water, diluted chemicals and light weight oils. Application examples include boilers and process vessels.

### **Features**

- High pressure or temperature level measurement up to 6.5' (2m)
- Rugged 316 stainless steel float guide and process mounting plug
- Assembled to your guide length and measurement span dimensions
- Polypropylene junction box rated NEMA 4X with conduit port and terminal strip

## **Key Benefits**

- Great for high pressure applications up to 200 psi
- Use in applications with foam or turbulence
- Loop powered output will interface directly with PLC/SCADA or local display

## **Compatible Products**

DataLoop™ Level Indicator DataView™ Level Controller Commander™ Multi-Tank Level Controller Level Controller

**DataPoint™** 









|               | LI25              | LI55  | LI90             | LC52                                    |
|---------------|-------------------|---|------------------|---|
| Туре          | Panel Mount       |   | Rail Mount       |   |
| Class         | IS / GP           | GP  |                  |   |
| Display       | LCD               | LED   | LCD              | LED                                     |
| Backlight     | Yes               | No  | Yes              |   |
| Input         | (1) 4-20 mA       |   | (2 or 4) 4-20 mA | (1) 4-20 mA                             |
| 4-20 Repeater | No                | Yes (2 Input) / No (4 Input)                  | No               | Yes                                     |
| Relays        |                   | (4) SPDT                                      | (6) SPDT         | (2) SPDT                                |
| Supply        | 12-30 VDC (Loop)  | 85-265 VAC                                    | 10-30 VDC        | 120-240 VAC                             |
| Function      | Display           | Display, Auto Fill or Empty, High & Low Alarm |                  | Auto Fill or Empty, High &<br>Low Alarm |
| Enclosure     | NEMA 4X Faceplate |   |                  |   |



40)

80) 80)

### **Specifications**

12" to 6.5' (30cm to 2m) Range:

0.25% span in water Accuracy:

Configuration: None, fixed span

Orientation: ± 20° from vertical

0.55 minimum Specific gravity:

10 to 30 VDC Supply voltage:

Loop resist .: 600 Ohms @ 24 VDC

Signal output: 4-20 mA, two-wire

Process temp.: F: -40° to 185°

C: -40° to 85°

F: -40° to 140° Ambient temp.:

C: -40° to 60°

Pressure: 200 psi (13.8 bar)

Enclosure rating: NEMA 4X (IP65)

Enclosure mat.: PP, UL94VO

Conduit entrance: Single, 1/2" NPT

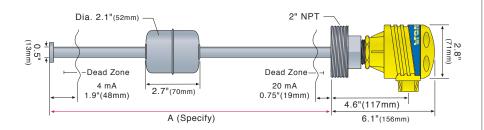
2" NPT Process mount:

Guide-float mat: 316 SS

Classification: General purpose

Compliance: CE

#### **Dimensions**



#### **Fittings**

For optimum performance, install the level sensor using the below recommended or direct equivalent fittings.

| P/N       | Description           |
|-----------|-----------------------|
| LM52-2400 | 3" NPT x 2" NPT (Sch. |
| LM52-2800 | 3" NPT x 2" NPT (Sch. |
| LM52-3800 | 4" NPT x 2" NPT (Sch. |
|           |                       |









## **Ordering**

# LV55-5001-

#### Dimensions (1) (2)

A Specify

16" (41cm)

24" (61cm) 32" (81cm)

36" (91cm)

42" (107cm)

48" (122cm)

Orders for this custom built product are non-cancellable and/or non-returnable

#### **Notes**

- Specify the A-dimension at the end of the part number. The level sensor is offered in six standard guide lengths from 16" to 48" (41cm to 122cm). The 20 mA set point is placed at 0.75" (19mm) below the mounting plug, and the 4 mA set point is placed at 1.9" (48mm) above the guide stop. The space above and below these set points are dead zones.
- 2) Custom guide lengths may be specified in 1/2" (1.3cm) increments from 12" to 78" (30cm to 2m). To calculate the custom guide length adder, round up the A-dimension to the next inch (2.5cm), multiply it by \$11 per inch (2.5cm), and add that sum to the custom price.