

# FLOAT LEVEL TRANSMITTER

## LVR500 Series



- ✓ High Pressure or Temperature Level Measurement Up to 2 m (6.5')
- ✓ Rugged 316 Stainless Steel Float Guide and Process Mounting Plug
- ✓ Polypropylene Junction Box Rated NEMA 4X (IP65) with Conduit Port and Terminal Strip
- ✓ Great for High Pressure Applications Up to 200 psi (13.8 bar)
- ✓ Use in Applications with Foam or Turbulence
- ✓ Loop Powered Output Interfaces Directly with PLC/SCADA or Local Display

Specific Gravity: 0.55 min  
 Supply Voltage: 10 to 30 Vdc  
 Loop Resistance: 600  $\Omega$  @ 24 Vdc  
 Signal Output: 4 to 20 mA, two-wire  
 Process Temp: -40 to 85°C (-40 to 185°F)  
 Ambient Temp: -40 to 60°C (-40 to 140°F)  
 Pressure: 200 psi (13.8 bar)  
 Enclosure Rating: NEMA 4X (IP65)  
 Enclosure Material: PP  
 Conduit Entrance: Single, 1/2 NPT  
 Process Mount: 2 NPT  
 Guide-Float Material: 316 SS  
 Classification: General purpose  
 Compliance: CE

LVR500 shown smaller than actual size.

The LVR500 Series float level transmitter provides continuous level measurement up to 2 m (6.5') with a 4 to 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. Typical application examples include boilers and process vessels.

### SPECIFICATIONS

**Range:** 41 to 1222 cm (16 to 48")

**Accuracy:** 0.25% span in water

**Configuration:** None, fixed span

**Orientation:**  $\pm 20^\circ$  from vertical

### To Order

| Model No. | Description                                | Range* cm (in) |
|-----------|--|----------------|
| LVR516    | Float level transmitter, 4 to 20 mA output | 41 (16)        |
| LVR524    | Float level transmitter, 4 to 20 mA output | 61 (24)        |
| LVR532    | Float level transmitter, 4 to 20 mA output | 81 (32)        |
| LVR536    | Float level transmitter, 4 to 20 mA output | 91 (36)        |
| LVR542    | Float level transmitter, 4 to 20 mA output | 107 (42)       |
| LVR548    | Float level transmitter, 4 to 20 mA output | 122 (48)       |

Comes complete with operator's manual.

\* For lengths above 48" contact OMEGA for pricing.

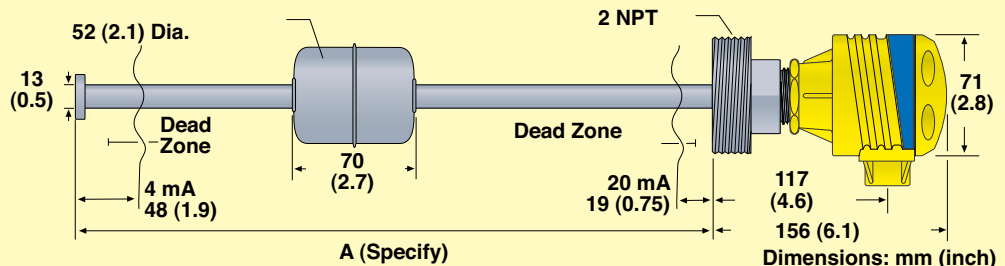
### Accessories

| Model No. | Description                                |
|-----------|--|
| PSU-93    | Unregulated 24 Vdc power supply            |
| DPi8      | 1/8 DIN panel meter with 24 Vdc excitation |
| TX4-100   | 30.5 m (100') spool of 4 conductor wire    |

**Ordering Examples:** LVR516, 41 cm (16") indicating length level transmitter with PP head.

LVR524, 61 cm (24") indicating length level transmitter with polypropylene head.

"-A" dimension at the end of the part number: The level sensor is offered in six standard guide lengths from 41 to 122 cm (16 to 48"). The 20 mA set point is placed at 19 mm (0.75") below the mounting plug, and the 4 mA set point is placed at 48 mm (1.9") above the guide stop. The space above and below these set points are dead zones.



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