

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



LVR500 shown smaller than actual size.

Specific Gravity: 0.55 min
Supply Voltage: 10 to 30 Vdc
Loop Resistance: 600 Ω @ 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, ½ NPT
Process Mount: 2 NPT
Guide-Float Material: 316 SS
Classification: General purpose
Compliance: CE

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: ±20° 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	½ 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.

