

NON-INTRUSIVE RF CAPACITANCE SENSORS

LVP-51-R
\$220



- ✓ Detects Liquid Through Plastic or Fiberglass Tank Walls Up to 25.4 mm (1") Thickness
- ✓ SPST Relay Output Standard
- ✓ Sensor Conveniently Slides In and Out of Mounting Bracket In PE or PP
- ✓ Ideal For Many Ultrapure and Sanitary Applications
- ✓ Easy Two Step Calibration
- ✓ Selectable Normally Open or Normally Closed

OMEGA® non-intrusive RF capacitance sensors deliver accurate and reliable liquid level detection with an SPST mechanical relay output. A versatile weld-on fitting enables the sensor to be mounted directly to the wall of any standard polyethylene, fiberglass or polypropylene tank. Simply align the fitting with the tank and press it into place. An engineered adhesive holds the fitting during welding and provides a seal between the sensor and the tank wall. OMEGA's two-step calibration feature ensures the highest level of dielectric sensitivity.

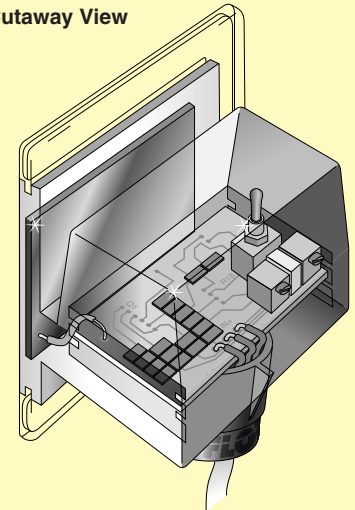
SPECIFICATIONS

Accuracy: ±1 mm (0.04") in water
Repeatability: ±0.5 mm (0.02") in water
Dielectric Range: 10 to 80 dielectric units @ 1 MHz
Tank Compatibility: Plastic and fiberglass (non-metallic)
Tank Wall Thickness: Up to 25.4 mm (1") max.
Voltage Input: 12 to 36 Vdc
Consumption: 25 mA Max
Relay:
GP: 120 Vac/Vdc @ 1 A
CE: 60 Vac/Vdc @ 1 A



LVP-51-R, \$220, shown smaller than actual size.

Cutaway View



Switch Mode: Selectable, NO or NC states
Switch Display: Single LED provides calibration and liquid status feedback
Loop Resistance: 600 Ω @ 24 Vdc
Max. Temperature Rating: -40 to 80°C (-40 to 176°F)
Enclosure Material: Polysulfone
Enclosure Rating: NEMA 4 (IP65), splash proof and chemical resistant design
Std. Cable Length: 3 m (10')
Max. Cable Length: 305 m (1000')
Dimensions: 6.4 x 4.3 x 3.8 cm (2.5 x 1.7 x 1.5")

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

All sensors have FET switch and 4 or 20 mA outputs

Model No.	Price	Description	Mat'l	Size cm (in)
LVP-51-R	\$220	Non-intrusive capacitance sensor	PP	6.4 x 4.3 x 3.8 (2.5 x 1.7 x 1.5)
LVP-91	25	PE sensor fitting	PE	6.4 x 6.4 (2.5 x 2.5)
LVP-92	25	PP sensor fitting	PP	6.4 x 6.4 (2.5 x 2.5)

Comes complete with operator's manual and 3 m (10') cable.

LVP-51-R has an SPST mechanical relay output standard.

Two extended cable lengths available. For 7.62 m (25') add suffix "-25" to model number. For 15.24 m (50') add suffix "-50" to model number, and \$1 per foot to price.

Ordering Example: LVP-51-R sensor and LVP-92, PP sensor fitting, \$220 + 25 = \$245.

Recommended Reference Book: Water Wells and Septic Systems, FW-300, \$100. See Section Y for Additional Books.



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