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") maximum
- **Voltage Input:** 12 to 36 Vdc
- **Consumption:** 25 mA maximum

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
<th>Material</th>
<th>Size cm (inch)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LVP-51-R</td>
<td>Non-intrusive capacitance sensor</td>
<td>PP</td>
<td>6.4 x 4.3 x 3.8 (2.5 x 1.7 x 1.5)</td>
</tr>
<tr>
<td>LVP-91</td>
<td>PE sensor fitting</td>
<td>PE</td>
<td>6.4 x 6.4 (2.5 x 2.5)</td>
</tr>
<tr>
<td>LVP-92</td>
<td>PP sensor fitting</td>
<td>PP</td>
<td>6.4 x 6.4 (2.5 x 2.5)</td>
</tr>
</tbody>
</table>

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 additional cost. For 15.24 m (50’) add suffix “-50” to model number, for additional cost.

**Ordering Example:** LVP-51-R sensor and LVP-92, PP sensor fitting.