**OPTICAL LEVEL SWITCH**

**LVE-950 Series**

- Polysulfone or Brass Construction
- Smallest Electro-Optical Sensor Available
- No Moving Parts

The LVE-950 Series are the smallest electro-optic liquid level sensors OMEGA offers, they also carry a high operating temperature capability at 110°C (230°F). The Polysulfone housing ensures this sensor is compatible for use in a broad range of media. The LVE-950 design features an over-molded electronics insert, TPE insulated wires, and fluorosilicone O-ring seals that create a water-tight, environmentally resistant assembly. With its brass housing and fused glass prism, the LVE-951-B is built to be more durable in challenging environments, including outdoors and engine bays. The LVE-950 is a perfect choice for industrial applications desiring an extremely small, ‘no-moving-parts’ sensor rated for high temperatures.

**SPECIFICATIONS**

**Housing Material:**
- LVE-951: Polysulfone
- LVE-951-B: Brass

**O-Ring:** Fluorocarbon
(¼ MNPT - none)

**Electronics:** Over-molded TPE

**Operating Pressure:** 0 to 250 psi
(0 to 17 bar) maximum

**Operating Temperature:** -40 to 110°C
(-40 to 230°F)*

**Power:** 12 Vdc ±10%

**Current Consumptions (No Load):**
12 Vdc 10 mA

**Output:** Sink 40 mA maximum, up to 30 Vdc

**Repeatability:** ±1 mm

**Lead Wires:** 3x TPE insulated; 22 AWG

**Approvals:** CE, IP66/67, RoHS compliant

* These switches are not for use in freezing liquid or steam/high condensation environments.

**To Order**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>LVE-951</td>
<td>Optical polysulfone level switch, 12 Vdc wet sink, ¼ MNPT</td>
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<tr>
<td>LVE-952</td>
<td>Optical polysulfone level switch, 12 Vdc dry sink, ¼ MNPT</td>
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<tr>
<td>LVE-951-M12</td>
<td>Optical polysulfone level switch, 12 Vdc wet sink, M12 x 1-8 thread</td>
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<tr>
<td>LVE-951-B</td>
<td>Optical brass level switch, 12 Vdc wet sink, ¼ MNPT</td>
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**Accessories**

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<tr>
<td>LVE-950-R</td>
<td>DC relay board higher current loads, power 120 Vac</td>
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<tr>
<td>LVE-950-R-NEMA4</td>
<td>DC switchbox higher current loads, power 120 Vac NEMA 4</td>
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Comes complete with operator’s manual.

**Ordering Example:** LVE-951, Polysulfone optical level switch, 12 Vdc wet sink with LVE-950-R-NEMA4 DC switchbox 120 Vac power.