

# 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

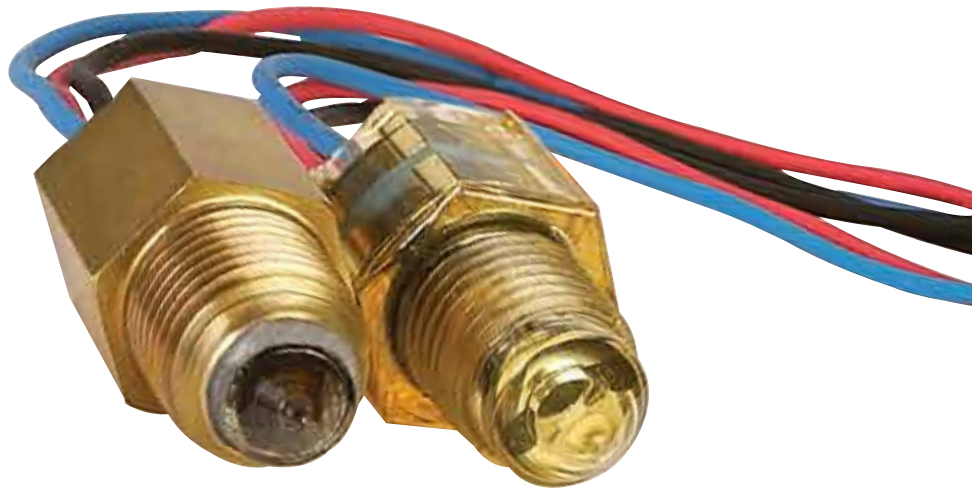
**Output:** Sink 40 mA maximum, up to 30 Vdc

**Repeatability:** ±1 mm

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

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

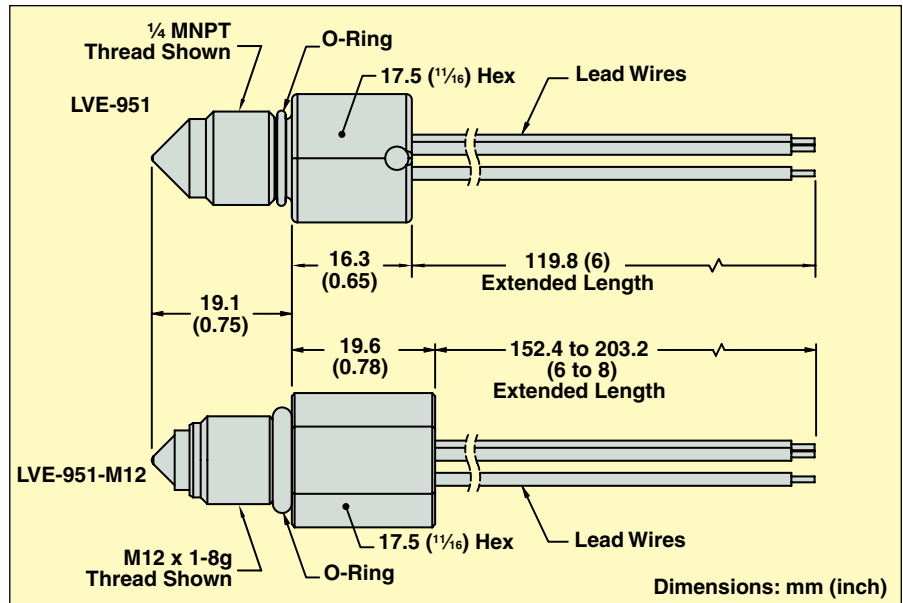
\* These switches are not for use in freezing liquid or steam/high condensation environments.



LVE-951-B

Both models shown larger than actual size.

LVE-951



### To Order

Model No.	Description
LVE-951	Optical polysulfone level switch, 12 Vdc wet sink, ¼ MNPT
LVE-952	Optical polysulfone level switch, 12 Vdc dry sink, ¼ MNPT
LVE-951-M12	Optical polysulfone level switch, 12 Vdc wet sink, M12 x 1-8 thread
LVE-952-M12	Optical polysulfone level switch, 12 Vdc dry sink, M12 x 1-8 thread
LVE-951-B	Optical brass level switch, 12 Vdc wet sink, ¼ MNPT
Accessories	
LVE-950-R	DC relay board higher current loads, power 120 Vac
LVE-950-R-NEMA4	DC switchbox higher current loads, power 120 Vac NEMA 4

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.