

# NON-INVASIVE DISPOSABLE/ NON-DISPOSABLE LIQUID LEVEL SENSORS For Plastic Bottles



## LVCN630 Series



- ✓ Non-Invasive Miniature Sensor
- ✓ Dry Coupling
- ✓ Plastic Bottles From 51 to 254 mm (2 to 10") Diameter
- ✓ Wall Thickness up to 6.35 mm (0.25")
- ✓ Eliminates Fluid Contamination Problem
- ✓ No Calibration Required

The non-invasive LVCN630 Series is a cost effective ultrasonic sensor for plastic containers. The sensor is designed to adhere or strap onto the outside of a plastic containers from 51 mm (2") to 254 mm (10") with a wall thickness up to 6.35 mm (0.25") as a high/low level liquid level monitor. The sensor never comes in contact with the liquid, so there is no chance of contamination. The sensor simply sticks or clamps onto the outside of the container.



LVCN631 shown with PHA-4, both shown smaller than actual size.



LVCN631 shown larger than actual size.

### SPECIFICATIONS

**Repeatability:**  $\pm 2.54$  mm (0.1")

**Response Time:** 200 millisecond

**Input Power:** 5 to 24 Vdc

**Leakage Current:** Less than 50  $\mu$ A

**Outputs:**

**Source:** 40 mA max-dry condition

**Sink:** 50 mA max-dry condition or TTL (high)-dry condition

**Protection:** Transient, reverse polarity

**Plastic Bottle Size:** 51 to 254 mm (2 to 10")

**Wall Thickness:** Up to 6.35 mm (0.25")

**Sensor:** Polyetherimide

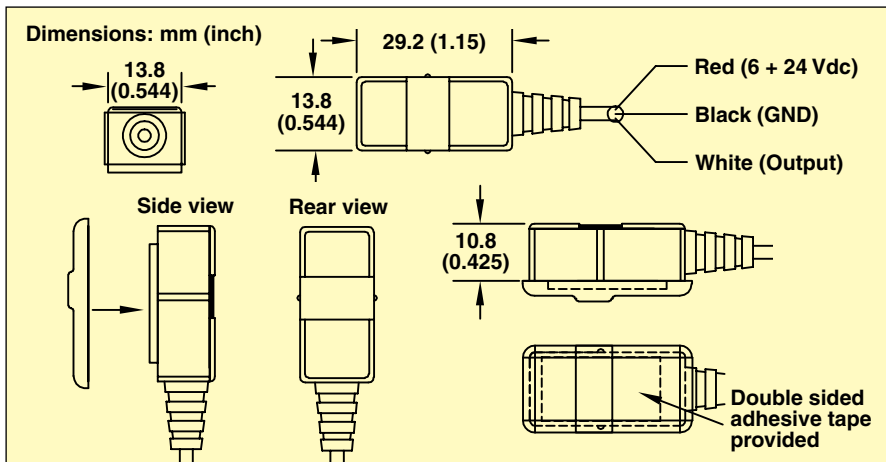
**Temperature:** -29 to 70°C

(-20 to 158°F)

**Mounting:** Reusable sensor standard\*, disposable mounting (with LVCN630-TAPE)

**Cable Length:** 305 mm (12")

*\*Note: Clamps or straps may be used as an alternate way to attach the sensor.*



**To Order Visit [omega.com/lvcn630](http://omega.com/lvcn630) for Pricing and Details**

Model No.	Description
LVCN631	Ultrasonic plastic bottle level switch sinking output
LVCN632	Ultrasonic plastic bottle level switch sourcing output
LVCN633	Ultrasonic plastic bottle level switch TTL output
LVCN630-TAPE	Spare adhesive tape (20 pcs)

*Comes complete with double sided adhesive tape.*

**Ordering Example:** LVCN633, ultrasonic level switch for plastic bottles, and LVCN630-TAPE, self adhesive tape roll.