



SL-630 SERIES

SPECIFICATIONS

- ◆ **High/low liquid level monitor**
- ◆ **“Peel and stick” to the outside of a wide range of plastic containers**
- ◆ **Never comes in contact with liquid – no risk of contamination or volume displacement**
- ◆ **Proven ultrasonic technology**
- ◆ **Repeatability: ± 0.1 ” (2.54 mm)**

The Non-Invasive Sonic Eye™ SL-630 is a cost effective ultrasonic sensor for plastic containers. The sensor is designed to adhere to the outside of plastic containers with diameters from 2” (50.8mm) to 10” (254mm) with a wall thickness up to 0.25” (6.35mm) as a high/low level liquid level monitor. The sensor sticks to the outside of the container, never coming in contact with the liquid, so there is no contamination or volume displacement.

FEATURES

- ◆ No calibration required
- ◆ Non-invasive miniature sensor designed to stick to outside of container
- ◆ Integral electronics with disposable mounting
- ◆ Effective on plastic bottles with diameters ranging from 2” (50.8 mm) to 10” (254 mm)
- ◆ Independent of color, transparency, shape and size of bottom of container
- ◆ No displacement of liquid volume
- ◆ Eliminates fluid contamination problem

APPLICATIONS

- ◆ Chemical Analyzer
- ◆ Immuno Chemistry
- ◆ Chromatography
- ◆ Kidney Dialysis
- ◆ Clinical Chemistry
- ◆ Medical Laser System
- ◆ Hemodialysis
- ◆ Semiconductor
- ◆ Waste Management

PERFORMANCE SPECIFICATIONS

Parameter	Typical Value	Parameter	Typical Value
Repeatability	± 0.1" (2.54 mm)	Protection	Transient, reverse polarity
Response Time	200 milliseconds	Effective Plastic Bottle Diameter	2" (50.8 mm) to 10" (254 mm)
Input Power	5 to 24 VDC	Wall Thickness	Up to 0.25" (6.35 mm)
Leakage Current	Less than 50 µA	Sensor Material	ULTEM® (plastic)
Output	TTL (high) – dry condition	Temperature	-20 to 158 °F (30 to 70 °C)
Mounting	Reusable sensor/disposable mounting tape	Cable Length	12" (305 mm) (for longer lengths consult factory)

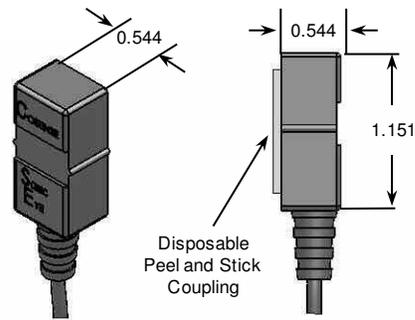
MECHANICAL DIMENSIONS IN INCHES

Figure 1: SL-630 series element with peel and stick disposable mounting tape.

NOTES: Clean area on container before installing. Remove backing from tape and adhere to container. Press sensor to container firmly

WIRING DIAGRAM

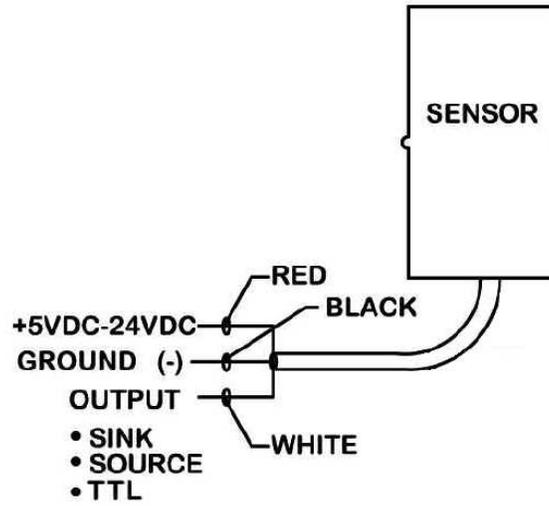


Figure 3: Wiring diagram for SL-630 series elements.

ORDERING INFORMATION

Input	Output	Part Number
5 – 24 VDC	TTL	SL-630-C01