

## Know When it's Too Low... or High

### How will you know that you know?

Fluid levels can make or break a machine... or an entire operation.

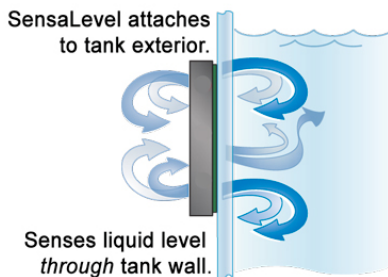
SensaLevel™ Ultra™ gives you accurate, early warning about critical fluid levels. You get digital reliability and simplicity because SensaLevel has none of the problems of other sensors:

- NO moving parts
- NO exposure to corrosive liquid
- NO probes to get clogged or coated
- NO effect from humidity or vibration

### And best of all — no tank intrusion

Patented SensaLevel attaches to exterior of the tank and uses an electrical field effect to detect fluids. What's this mean? Simple:

- NO need to drill or pierce the tank
- NO sealants to leak or thru-wall fittings to weaken the tank.



**If measuring aqueous fluid in a plastic tank, SensaLevel™ is the only sensor to use.**

### Simple bi-directional measuring

- SensaLevel is simple to install and wire (see diagrams on reverse).
- **Low-Level:** Wire it one way, SensaLevel triggers an indicator when liquid level falls below the sensor.
- **High-Level:** Triggers when level rises above the sensor.

### Unlimited water-based applications

SensaLevel detects any aqueous solution in plastic tanks up to 9mm thick:

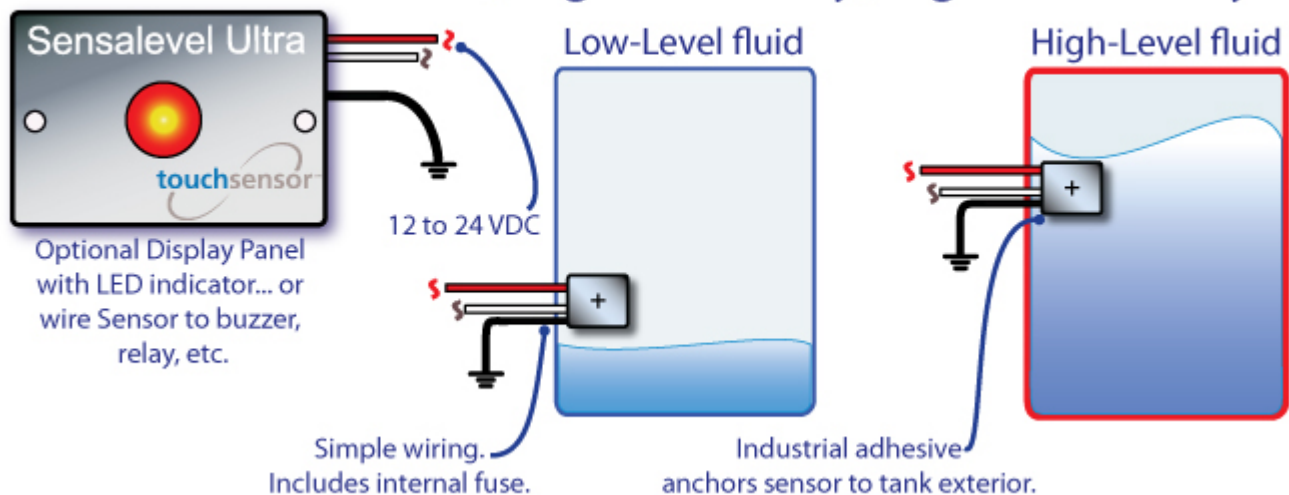
- Marine / RV water or waste
- Industrial and farm liquids, fertilizer, bulk beverage, or dairy
- Any water-based solution — fresh or waste water, sewage, ground water, coolants, pesticides, fertilizer, etc. For questions about your application, contact TouchSensor, LLC (see reverse).

### Price-competitive, priceless reliability

SensaLevel is priced competitively with conventional systems. Yet *no other system* can compare with SensaLevel's digital reliability, low current-draw, and simplicity.

**If you need to know, you need SensaLevel Ultra.**

## Low maintenance, high reliability, digital accuracy



# Specifications

## Capacities and Dimensions

- Senses aqueous solutions through plastic walled tanks up to 9mm thick.
- Sensor size: 50.5mm x 38.75mm x 6.75mm
- 12 to 24 vdc normal operating voltage
- Max. recommended 30 vdc; minimum 6 vdc.
- No damage if wired with reverse polarity

## Automatic "Slosh" Filtering

- 8 seconds fluid sensing before activation (for either low- or high-level sensing)
- 4 seconds without momentary activation before switching "off"

## Industrial Adhesive anchors sensor to tank

- 3M® 5925 VHB double-sided foam tape
- Unaffected by moisture or vibration

## Micro-current draw, always-on reliability

- Easily operates off solar cell amperage for remote locations.

## Ratings and Compliance

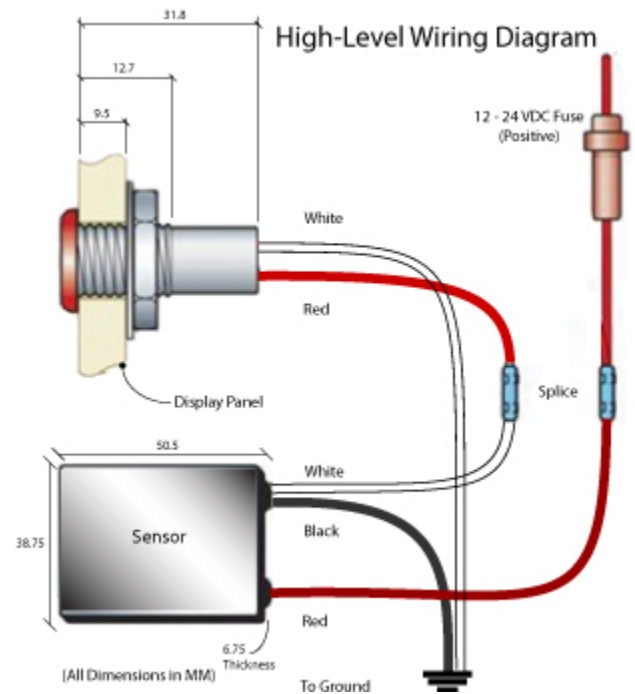
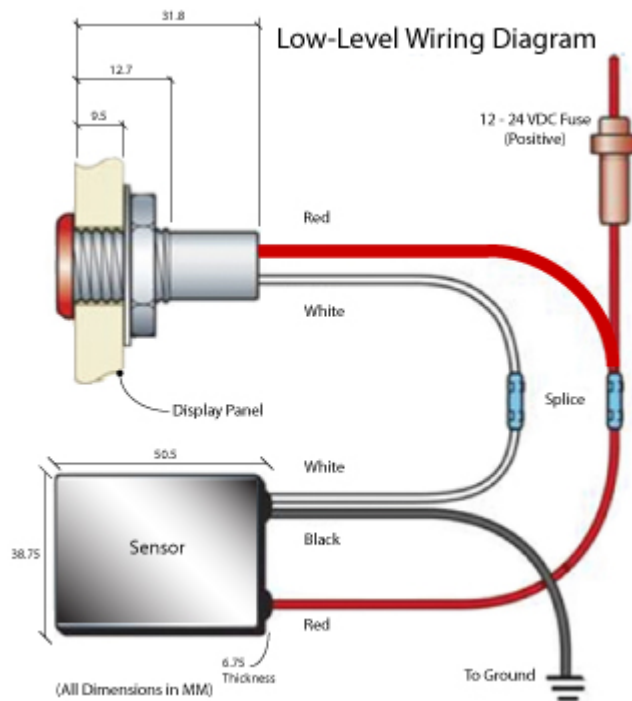
- RoHS compliant

## 2-Wire Model

- Wire leads: 914mm (36 inch) long
- Connects in series with Indicator load
- Draws 12.75mA un-activated; 22.75mA activated.

## 3-Wire Model

- Wire leads: 305mm (12 inch) long
- Red and white wires power a separate load (such as Indicator Panel below). Or connect to user-supplied indicator such as audio buzzer or relay to remote signaling device
- Self-resetting 1.1A dc internal fuse on output. 0.250mA maximum continuous load current. Actual carry current dependent on ambient and fluid temperature. Fuse is UL, CSA, and TUV rated.
- Sensor draws 0.120mA unactivated; < 0.5mA activated



Model Number	Description
Z16011TSZ	Sensor only, 3-Wire Bi-Directional
100600442-01	Complete Kit: 3-Wire Sensor, Display Panel with LED Indicator Light
Z16010TSZ	Sensor only, 2-Wire Bi-Stable

Contact Sales Department: (630) 221-9000

[www.touchsensor.com](http://www.touchsensor.com)

3M and VHB are registered trademarks of 3M Corporation.  
 SensaLevel™, SensaLevel Ultra™ and Mirus™ are trademarks of TouchSensor Technologies, LLC.  
 203 North Gables Blvd.  
 Wheaton, IL 60187  
 Protected by U.S. Patents 5594222, 6310611, 6320282; others pending. ISO 9001:2000  
 Proud Members of RVIA (Recreation Vehicle Industry Association)

