



# KRUEGER SENTRY GAUGE®

## ACU Gauge



Non corrosive  
machined PVC

Machined aluminum  
2" NPT Bushing

Plastic coated  
stainless steel

Poly coated  
cork

Tank Mounted Unit:  
Part Number- ACU-(tank depth in inches)



Remote Mounted Unit:  
Part Numbers:  
ACU-Remote  
ACU-Remote-4/20mA

### What it is:

Top mounted liquid level digital gauge that can measure the level of above ground storage tanks. Requires a 2" NPT fitting.

#### Tank Mounted Unit

- The ACU Gauge is a float type sensing device good from 0"-60" deep tanks and accurate to 1/10" of an inch.
- It has a 3.5 digit backlit display. The unit runs on either a nine volt lithium battery, or it can run off of the remote unit's power source.
- The display has a push button activation with a battery saving automatic shutoff.
- Unit is contained within a weather proof housing. It is semi waterproof (cannot be submerged), and is good from 30 to 140 degrees Fahrenheit.
- Standard auxiliary output jack with high quality gold plated connections.

#### Remote Display Unit

- The Remote Display is an optional add on that retains all of the same properties as the ACU Gauge itself.
- It also offers remote capability, Hi/Lo level alarms, and an optional 4-20 mA output.
- 3.5 digit LED Display
- Powered By 6 AA batteries, one 9volt lithium battery, or wall cube.

#### Both Units

- Battery life is 24 hours continuous/ 1 year intermittent.
- Push button activation, auto shutoff after 8 seconds.

### Ordering

#### Tank Mounted Unit

- Generic sizes of 48 inch or 60 inch can be ordered.
- For ease of use, specify your tank depth and we will make it to fit your tank. This does not effect pricing.

#### Remote Mounted Unit

- Specify distance from tank to remote unit. (tested up to 100 ft range)
- Alarms are pre set at 33% from the top and bottom of the tank.
- Specify the standard display, or the unit with a 4/20mA output.

Both the tank mounted unit and the remote display come calibrated to your specifications. No field calibration is necessary.

Krueger Sentry Gauge  
1873 Siesta Lane  
Green Bay, WI 54313

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



Contact us for more info or a local distributor:

Ph: 920-434-8860

Fax: 920-434-8897

Email: [info@ksentry.com](mailto:info@ksentry.com)

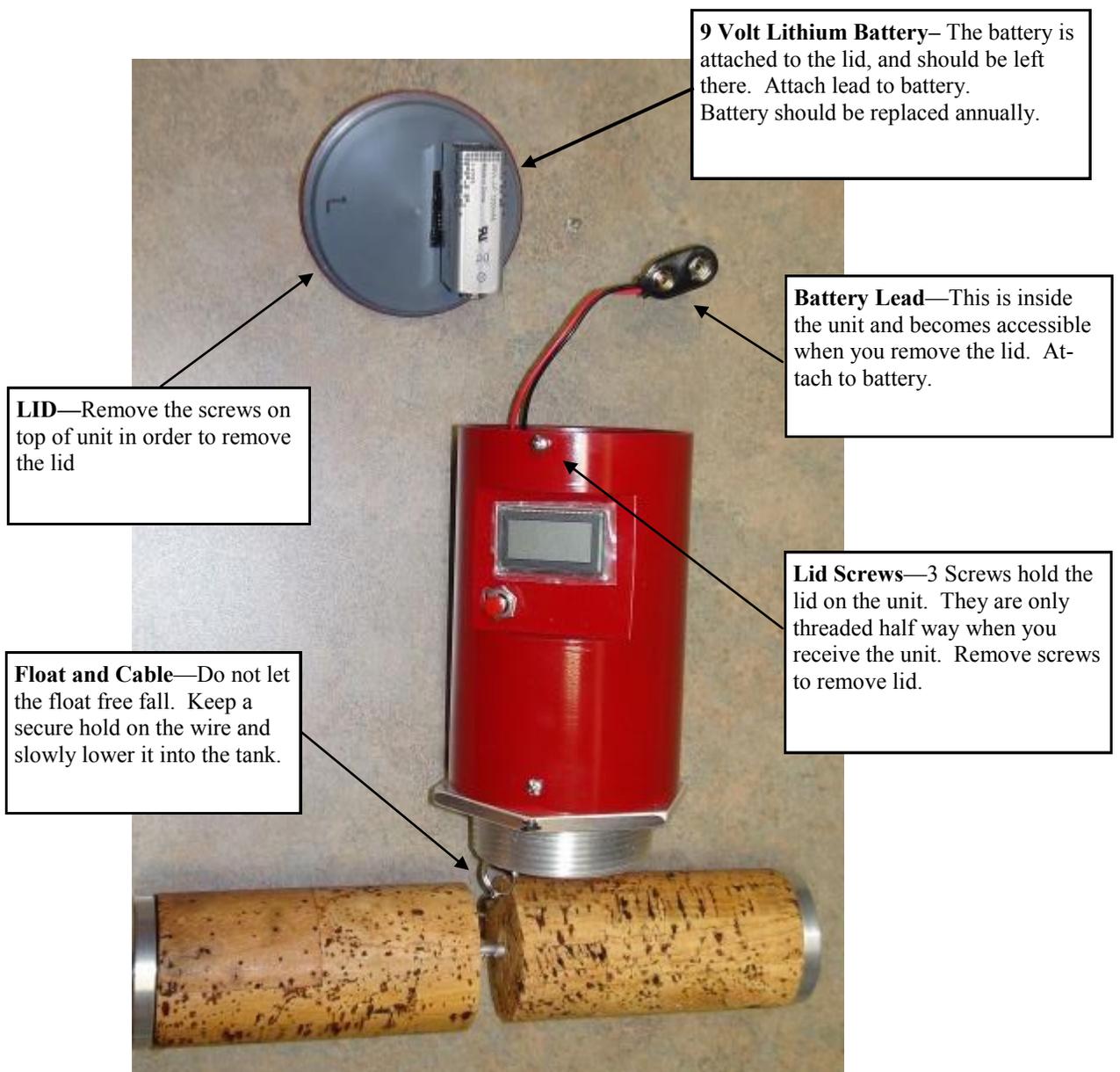


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## ACU Gauge Installation Instructions

- I. Remove the screws at the top of the unit. This will allow the lid to be lifted off.
- II. The 9 volt lithium battery is mounted to the lid. Connect the battery lead to the battery.
- III. Replace the lid and tighten the screws all the way down.
- IV. Push the red button on the front of the unit, the gauge should be working.

**Warning: Do not let the FLOAT free fall into the tank. Hold the wire and slowly lower the floats into the tank with out letting it drop.**



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**KRUEGER  
SENTRY  
GAUGE®**

## The ACU Gauge—FAQ, Troubleshooting

### Frequently Asked Questions:

#### ACU-Gauge w/ Remote Display

##### Warranty:

All Krueger Sentry Gauges have a one year warranty that covers manufacturer's defects. Physical Damage and Liquid Compatibility are not covered. If the existing units are modified by the customer in any way, the warranty is void.

##### General Operation Questions:

- The remote display has a hi and lo level audible and visual alarm. This alarm is pre set at 33% from the top and bottom of the tank. The top light (red) indicates high level. The bottom light (green) indicates low level.
- Battery life is 24 hours continuous/ 1year intermittent.
- Push button activation, auto shutoff after 8 seconds.

##### Powering Options:

- The main ACU Unit at the tank can be installed and can operate independently of the Remote Display. This main unit is powered by a 9 volt lithium battery. If you plug the main unit into the remote display, it will be powered by the remote display.
- The Remote Display unit can run off of its battery power or it can be plugged into a standard wall outlet. When the remote display is powered by a wall outlet this same power source will power the main ACU unit at the tank. Both units can still have the battery power plugged in as a backup in case of a power outage.

##### Calibration:

- The gauge is made in house to fit your tank and should not require field calibration.
- When the remote display, tank unit, and remote wire are all ordered together, the remote unit will come pre calibrated. If you order the remote unit and remote wire separate from the tank unit, the remote may need to be calibrated. You will need to call in for this option. (see below)

##### Service Options:

Phone support is available Monday thru Friday, 7am to 3pm Central Standard Time.  
All questions can be directed to Bruce or Lee at 920-434-8860.

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