Rollie Technology
Tank Gauging Solutions

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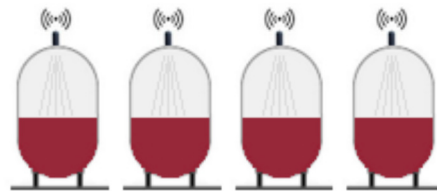
1)   Introduction

The WTG system consists of 2 parts, the tank mounted sensor(s) and the display unit. Each tank gauge has a unique serial number that is pre-programmed to work with the display. This allows multiple units to be used in close proximity with each other without interference.

Once installed, the display unit will periodically request data from the tank gauge and display that information on the LCD. In addition, it will also check the level against the user assigned level alerts and report them via email, text message or both.

Base Radio and LCD screen.

Ultrasonic tank gauge.

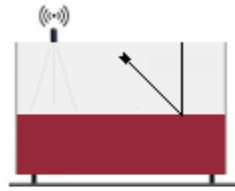## 2)   Installation

Sensor Mounting:

The tank level gauge can be purchased with 1-1/2 or 2 inch pipe thread for attachment to the tank. Find a suitable unused fitting in the tank top and remove the pipe plug. If there is already a combination or single float gauge using up the desired opening it should be removed.

In addition, the sensor works best without any obstructions present in the tank. If an old float gauge will
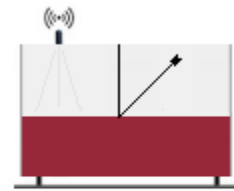
interfere in the measurement it should be removed (see picture below).

Not Good
(Float Interference)

Good

Good

Display Mounting:

The display unit should be mounted in a clean dry space. Do not allow water or other liquids to drip on the unit.

Mounting holes
Mounting holes
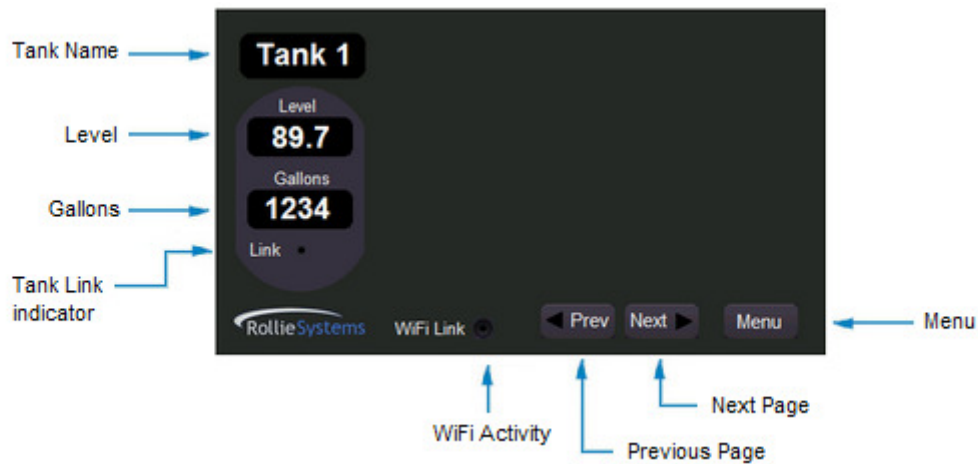6.750
4.375
6.000
1.750

Power:

The sensor and display are both powered by a 9 volt power supply.

The sensor should be powered before the display unit.

Once the unit is mounted plug the wall unit into a 120 VAC outlet and the output jack into the mating receptacle on the display unit.
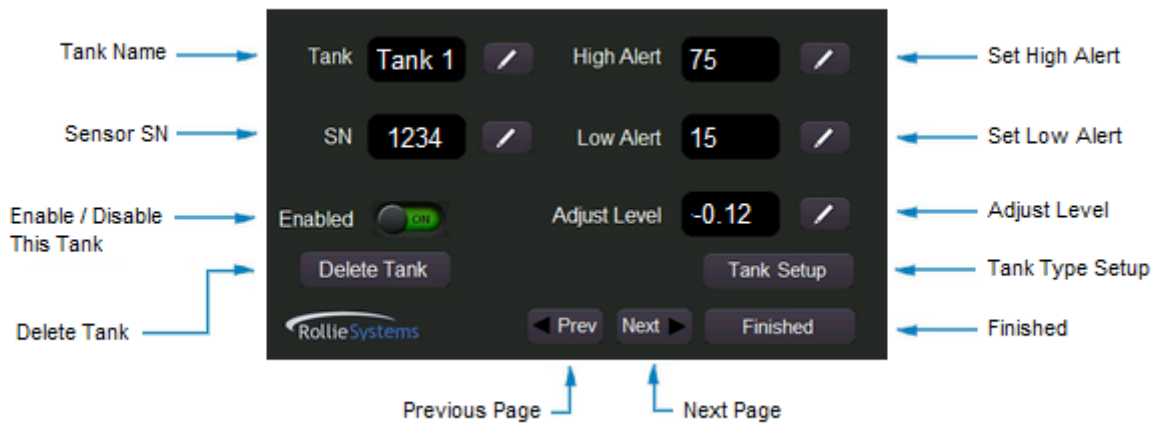

Display Power

Sensor Power

3)   Main Screen

The main screen reports the liquid level and gallons. The Tank Sensor indicator will blink occasionally indicating a radio link to the tank sensor.
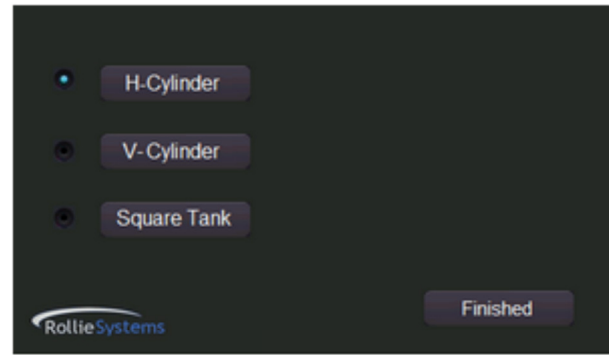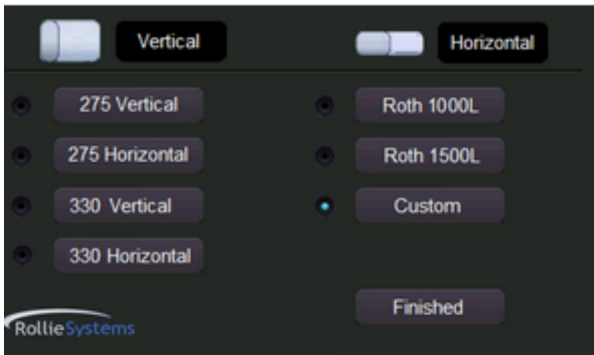
4)   Setup

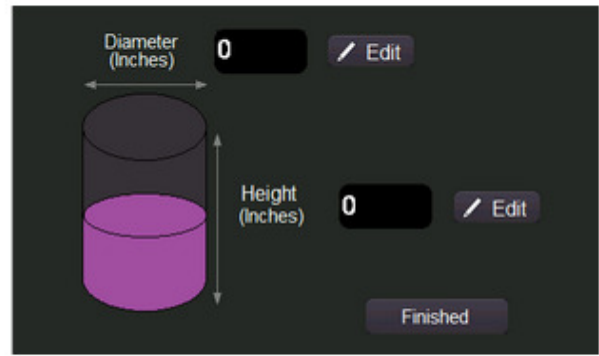**Tank Type:**

The Tank Gauge system is shipped with the default tank type of 275 gallons, 44 inch tall vertical tank. To change the tank type press the Menu button. Select Tank Setup from the menu.

There are six(6) standard tank types and three(3) custom tanks to choose from. For a standard tank simply press the button for your tank type. Click Finish. That's all!

Vertical   Horizontal

275 Vertical	Roth 1000L
275 Horizontal	Roth 1500L
330 Vertical	Custom
330 Horizontal	

Finished

Rollie Systems

H-Cylinder
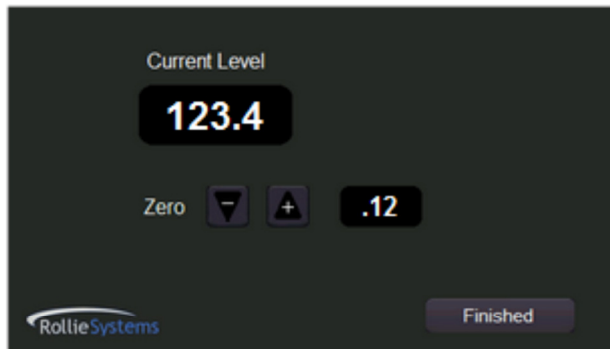
V-Cylinder

Square Tank

Finished

Rollie Systems

For a custom cylinder or rectangular tank select Custom. Select either H-Cylinder, V-Cylinder or Square Tank. Fill in the tank dimensions as shown below:

Length (Inches) 0 ✎ Edit

Diameter (Inches) 0 ✎ Edit

Finished

Diameter (Inches) 0 ✎ Edit

Height (Inches) 0 ✎ Edit

Finished

Height 0 ✎ Edit

Length 0 ✎ Edit

Width 0 ✎ Edit

Finished

5) Adjustments

After initial setup the display should read the correct level and gallons. In the event that the measurement is incorrect, an adjustment can easily be made.

Press the Menu button. Choose Adjust Level from the Tank Setup menu. If the level reading is lower than actual press the + button until the level shows the correct value. If the level reading is higher than actual press the **-** button until the level shows the correct value.

6) WiFi

Setup:

Your WTG system is capable of sending level and alert status to the Internet. It is equipped with a WiFi radio designed to communicate with your wireless router.

In order to connect to the router you must enter your router SSID and PASSWORD. Click Menu from the main display screen. Click WiFi Setup.

Click Edit for either SSID or Password.

Data from your gauges can be accessed from http://rollieapp/multi. Enter your user name and password SN at the prompt.