

STEP BY STEP INSTRUCTIONS

Bulk Diesel – Lubes – Chemicals
ST 90 LTE Monitor

Inspect Box(es) Contents

When you receive the ST90 LTE®, thoroughly inspect it for any damage which may have occurred during shipping. If there is any damage to the devices contact SKYBITZ Customer Support at 1(888)-SKYBITZ (option 3) as soon as possible or email to: telemetrysupport.telular@ametek.com. Locate the packing checklist in the shipping container. Check for any missing items before you begin installation.

Minimum Tools Required

- Phillips Screwdriver
- Strap-Wrench
- Tape Measure

Installation Video: <https://telular.wistia.com/medias/v3950km9vj>

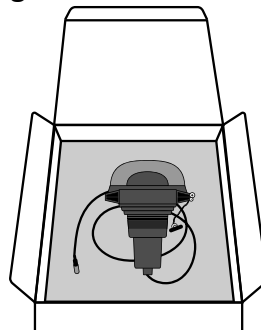
QUICK START INSTALLATION

Submersible Sensor – Monitor – 2" NPT Installation Fitting

3" and 4" Tank Opening may be modified to 2" with reducer, or you may use a 2" NPT T to mount in conjunction with Tank Vent.

- 1 Open the box and ensure it contains the device and manual. The battery is pre-installed – no requirement to open the lid.

(ST90 Clients will need the lid opened to connect the battery)

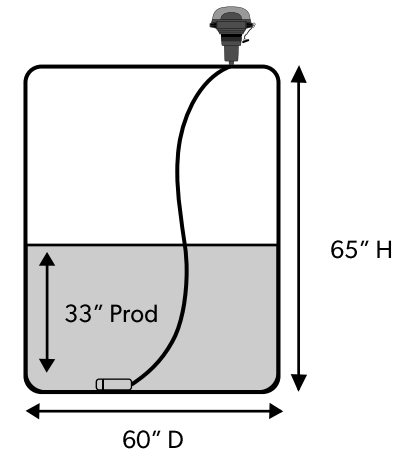


- 2 Remove ST90 Series Monitor with magnetic Trigger Key. Inspect for any damage and prepare for installation.



- 3 Record tank dimensions:

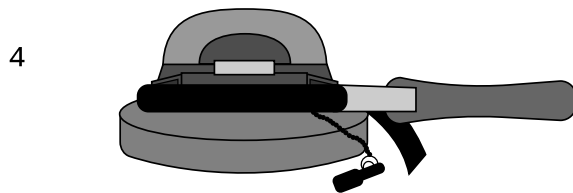
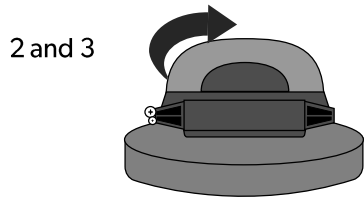
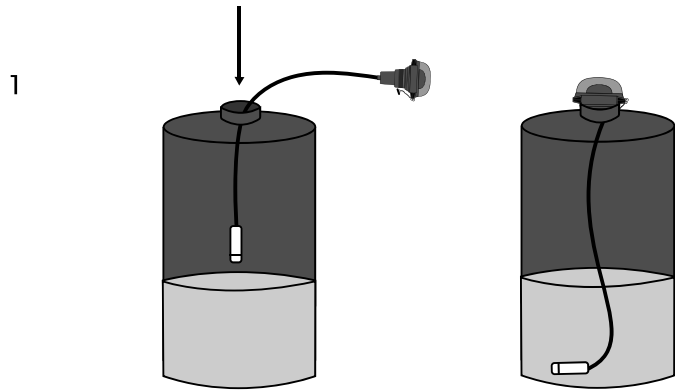
- Measure current tank level via a dipstick or tape measure
- Remove bung on 2" Tee or Wye – opening
- If there is a 3 or 4" opening, you may use a reducer
- If there is no opening, you may use a 2" T – Splitting vent for both monitor and venting



3a Tank Info:

Tank Height	
Tank Type	Horizontal or Vertical
Tank Capacity	
Product Name	
Current Product	
Inch Level	
Location Name	
Organization	
Tank Name	

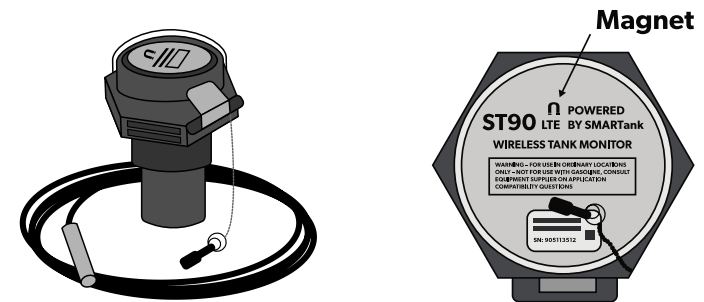
- 4**
1. Slowly lower sensor into opening
Do not crimp or nick the cable
 2. Screw monitor housing into 2" fitting
 3. Tighten monitor by hand or use strap wrench to tighten further if needed



Note: To avoid damaging the device, place the strap wrench on the hexagonal portion of the monitor, not on the lid

ACTIVATION

- 5**
1. To initiate the call out, place the magnet against the lid (Client monitors will require an open lid for button push)
 2. Hold the magnet in place for 2-3 seconds
 3. Observe the monitor LED green light sequence (refer to table below for light sequence descriptions)



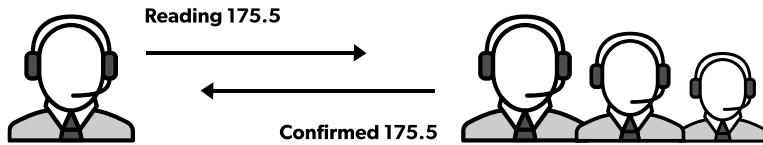
Condition	LED Description
Power ON	A slow green LED flashes followed by the green and red LED's alternate flashes
Active on Cellular Network	Red LED will go out and the green LED will start to flash slowly while attempting to register on the cellular network
Connected to Cellular Network	Green LED will go steady on
Successful Call	Green LED flashes and goes out

If the call is unsuccessful, the red LED will light with the green LED flashing with the error number.

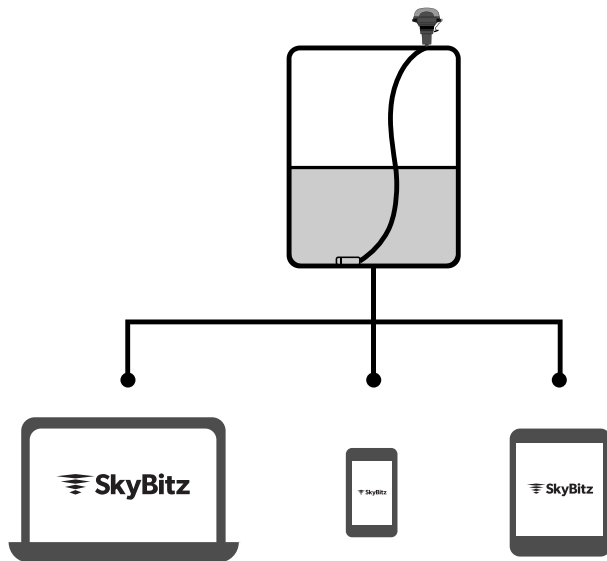
- 6** Tank data transmitted to cloud Tank Monitoring Center



- 7 Complete tank set up on SMARTank website or contact SkyBitz at 1-888-826-5546 to complete set up and confirm level readings.

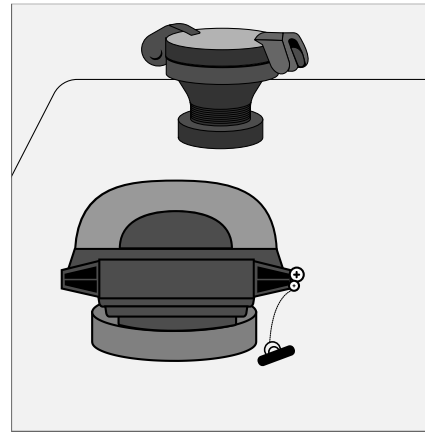


- 8 Congratulations! You can now monitor your tank levels from your computer, smart phone or tablet

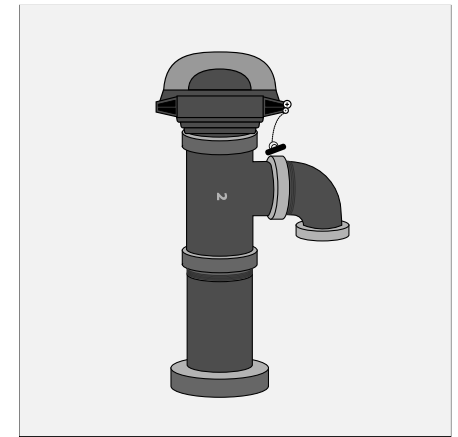


TANK OPENING/INSTALL EXAMPLES

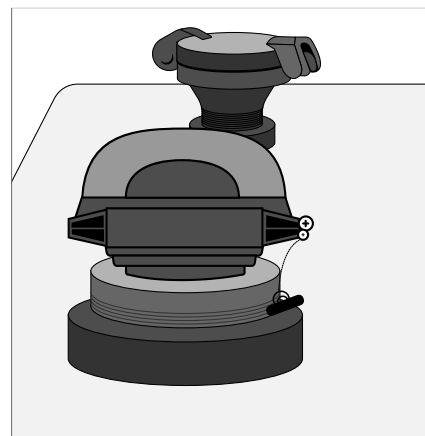
Use Black or CPVC Fittings



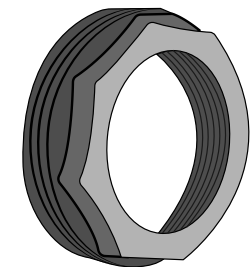
2" Opening (Direct Install)



Vent T (Installation)



3" or 4" Opening – Using reducer for 2" Installation



Reducer

SKYBITZ WEBSITE DATA ANALYTICS

Logons – Passwords – Permissions

The screenshot shows the SMARTank website dashboard. At the top right, it indicates the user is logged in as 'S. Administrator' with a 'Logout' button and contact information: 'Administrative Contact: S. Administrator [Email] | phone: 888-826-5546'. The navigation menu includes Home, Reports, Tanks, Users, Organizations, and Locations. A search bar is present with the text 'Global Search' and a dropdown menu for 'Serial # (RTU ID)'. The main content area is titled 'Summary' and contains a table with three columns: Tank Summary, Alarms, and Reports.

Tank Summary	Alarms	Reports
Active Tanks : 1	Alarm Free : 0	No Recent Update : 0
Maintenance Tanks : 0	High Alarm : 0	Low Battery : 0
Inactive Tanks : 0	Low Alarm : 0	Expected Call : 0
Total Tanks : 1	Critical High Alarm : 0	Reorder Alarm : 0
	Critical Low Alarm : 0	Safety Stock Alarm : 0

Additional reports listed on the right include 'Tank Summary List' and 'Maintenance List'.

Please contact your system administrator for website permissions. For further assistance, contact SkyBitz Customer Care.

SkyBitz Customer Service: 888-826-5546

Thank you, we appreciate your business!