Aquilo

Liquid Level Sensor



Start Guide

WIFI CS-04 version

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Components in the kit:

1. Transmitter with mounting plate

2. WiFi Receiver

3. Antenna – 2 pcs

4. Battery – 1 pc / Power cable 230V*

5. Mounting screws – 2 pcs.

*Depending on the Aquilo Liquid Level Sensor model.
Wireless WIFI CS-04 / Mains powered WIFI CS-04s.

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1.



2.



3.



4.*





5.



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Installation:

Step 1.

Install Aquilo App.

Download on the App Store

GET IT ON Google Play

Step 2.

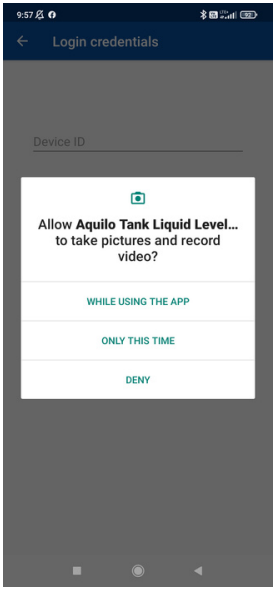
Attach Antenna to the WiFi Receiver and plug in the WiFi Receiver.

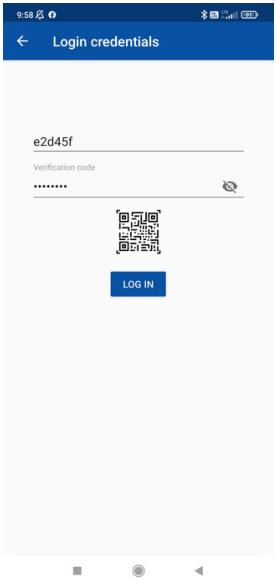


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Step 3.

Allow Aquilo App to take pictures and record video and scan QR code. (You can find it on the WiFi Receiver).

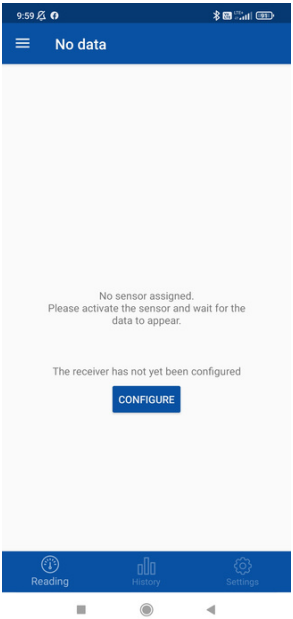


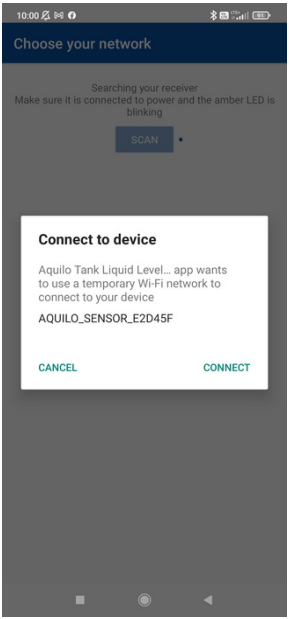


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Step 4.

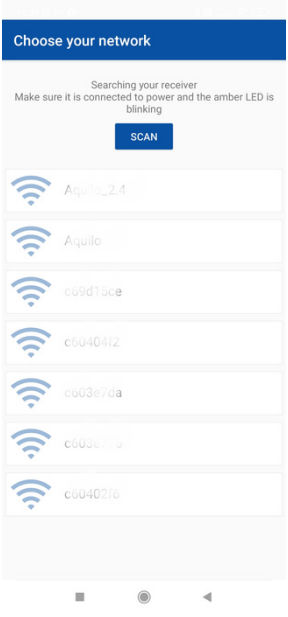
Configure and connect to your device.

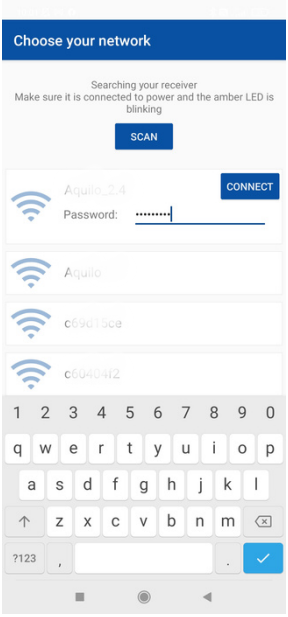




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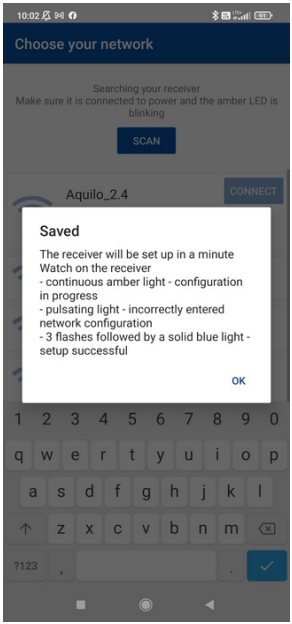
Choose your WiFi network and enter your password.





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Once the WiFi Receiver is connected to your WiFi network the LED will flash blue.





Step 5.

Attach Antenna to the Transmitter and insert the battery.



Wait a moment for the Transmitter to connect to the WiFi Receiver. The first data about the readings will appear in Aquilo App. In the beginning, the sensor will indicate 0% full tank.

Step 6.

Mount the Transmitter in the tank using the screws provided.

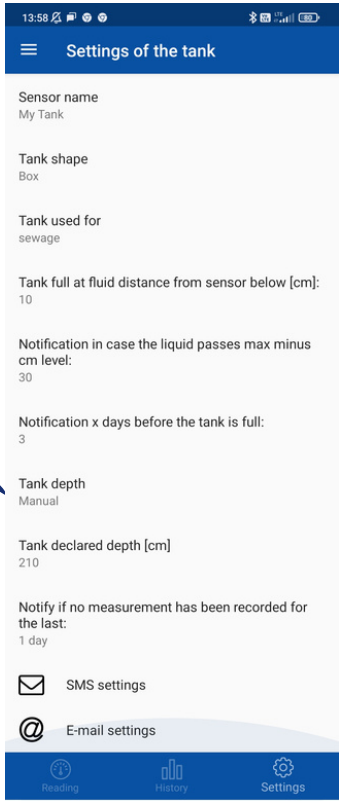


When installing the sensor inside the tank, it is recommended to use basic safety rules and protective measures to avoid accidentally falling into the tank.

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Step 7.

Set notifications and optionally your tank settings in Aquilo app.



More information about settings you will find on page 18.

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Congratulations!

You were able to launch Aquilo Liquid Level Sensor.



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Smart Hints for best performance

- Place the WiFi Receiver higher, e.g. on the second floor of the building for best reception.
- Restart your WiFi Receiver if you want to change your WiFi network. Press the button on the WiFi Receiver for about 10 seconds and follow step 4.
- Use Additional Antenna Extension for greater range.
- Set your tank height if you don't want to wait for auto calibration.
- Try to integrate the sensor with Home automation System, e.g. Home Assistance.

Find available integrations at www.aquilo.io/manual

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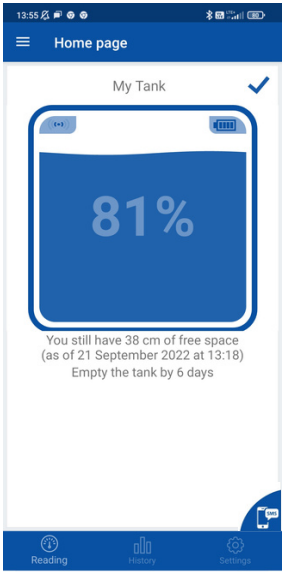
Aquilo App

Aquilo App has been developed to manage the Aquilo sensor Aquilo, available for phones and browsers. Thanks to the app, you will:

- Find out the current fluid level in the tank.
- Know the approximate filling time (if possible, the sensor itself predicts the time, based on the current filling rate).
- Find out what is the current battery status in the device.
- Get a notification when the tank filling level is worrying.
- View full history to compare results.
- Able to send SMS to the pump truck company with information about the upcoming „time to empty".

Features availability depends on the subscription plan.

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Menu

Devices Connection Status

✓Connected

✕ Disconnected

Signal Strength

Battery Level

Time to Empty

Tank Percentage

Manual SMS Sending

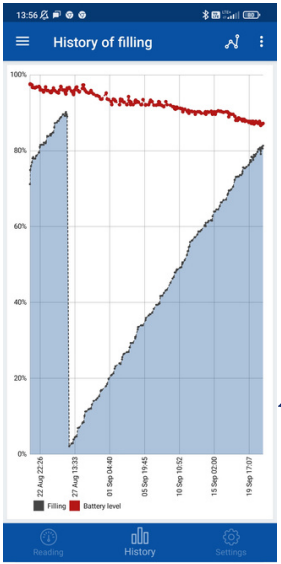
Reading

Settings

History

Menu

History of the Recorded Battery Level



Show/ Hide Battery and Filter History by time periods

History of the Recorded Tank Level

Reading

Settings

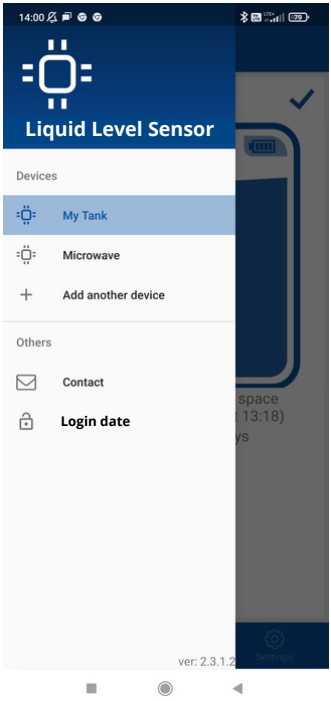
History

Move to the Main screen

Add new device (optional, only if you want to add the whole new kit)

Contact us

Move to the Login screen



SETTINGS	
Sensor name	**Add your tank name.**
Tank shape	**Set the shape of your tank. Add the box option if your tank is the shape of a square / rectangle. In the case of round tanks select the circle option.**
Tank used for	**Set which tank you use the sensor in. Choice of: sewage or rainwater.**
Tank full at fluid distance from sensor below [cm]	**Set at what distance from the sensor you want to show that the tank is full.**
Notification in case the liquid passes max minus cm level	**Set at what distance the liquid from the max level Aquilo app is to send notification.**
Notification x days before the tank is full	**Set how many days before the tank is full, Aquilo app should notify you.**
Tank depth	**Select the option automatically if you want the sensor to auto calibrate with the tank or select the option manually if you want the readings to show up immediately.**
Tank declared depth (cm)	**Enter the depth of the tank in cm. (If you chose the option manually above).**
Notify if no measurement has been recorded for the last	**Set the time after which Aquilo app should inform about the lack of readings. Options: Inactive, 1 day, 3 days, week.**
SMS settings	**Aquilo app allows you to configure and set up SMS sending (price list of the phone operator will be applied) e.g. to a pump truck company with an order for waste collection.**
E-mail settings	**Add your e-mail address if you want notifications to come also to your mail inbox. Once you set this option your confirmation will be required, a confirmation email is sent automatically.**

Technical Specifications:

- Product dimensions: WiFi Receiver: 61×49×65 mm, Transmitter: 100x90x60 mm
- Temperature range for the WiFi Receiver: 0 - + 50 ° C
- Temperature range for the Transmitter: -40 ° C - + 60 ° C
- Permissible depth of the reservoir: 10 cm - 6 m
- Power supply: lithium battery 3.6V R14 „C" / power cable 230V for the Transmitter .
- Battery life: up to 2 years (depending on the conditions in which the Transmitter works)
- Maximum distance between the Transmitter and the WiFi Receiver: up to 20m, use additional antenna extension for many times greater range.

Tank Requirements:

- The maximum depth of the reservoir is 6 m
- The distance between the liquid and the Transmitter must be at least 10 cm, once the liquid is closer, readings may be disturbed.

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Liquid Level Sensor

www.aquilo.io/manual

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