Aquilo

Liquid Level Sensor



Start Guide

LTE CS-05 version

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Components in the kit:

1. Transmitter with mounting plate
2. Antenna - 1 pcs.
3. Battery – 1 pc / Power cable 230V*
4. Mounting screws – 2 pcs.

1.



2.



3.*



4.



*Depending on the Aquilo Liquid Level Sensor model.
Wireless LTE CS-05 / Mains powered LTE CS-05s.

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Installation:

Step 1.

Install Aquilo App.

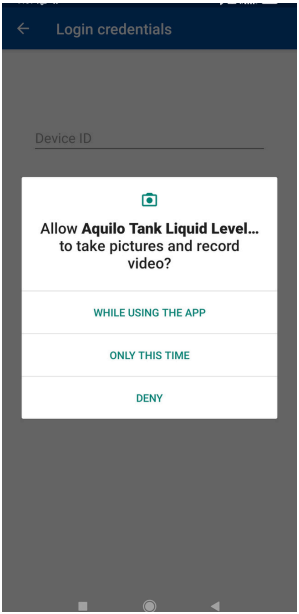
Download on the App Store

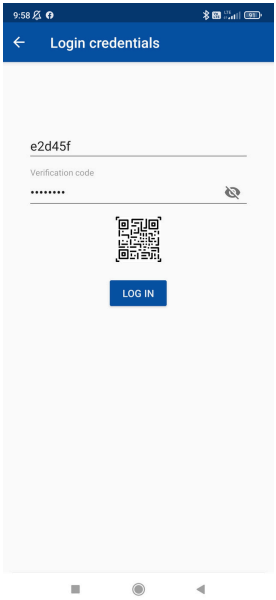
GET IT ON Google Play

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Step 2.

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





Step 3.

Attach Antenna to the Transmitter and insert the battery.



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

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Step 4.

Mount the Transmitter in the tank using the screws provided.

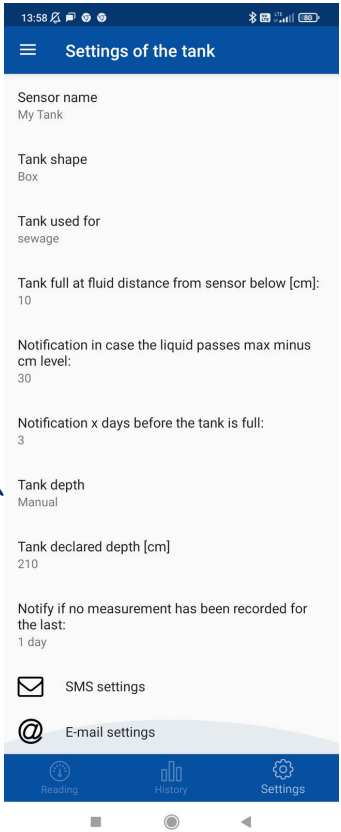


hen installing the sensor inside the tank, it is recommended to use basic safety rules and protective measures to avoid accidentally falling into the tank.

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Step 5.

Set notifications and optionally your tank settings in Aquilo app.



More information about settings you will find on page 14.

Congratulations!

You were able to launch Aquilo Liquid Level Sensor.



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Smart Hints for best performance

- 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

- Use Additional Antenna Extension for greater range.
- Mount the transmitter at least 20 cm from the manhole if your tank has a metal/cast iron manhole.
- Use any antenna with SMA connector if you want.

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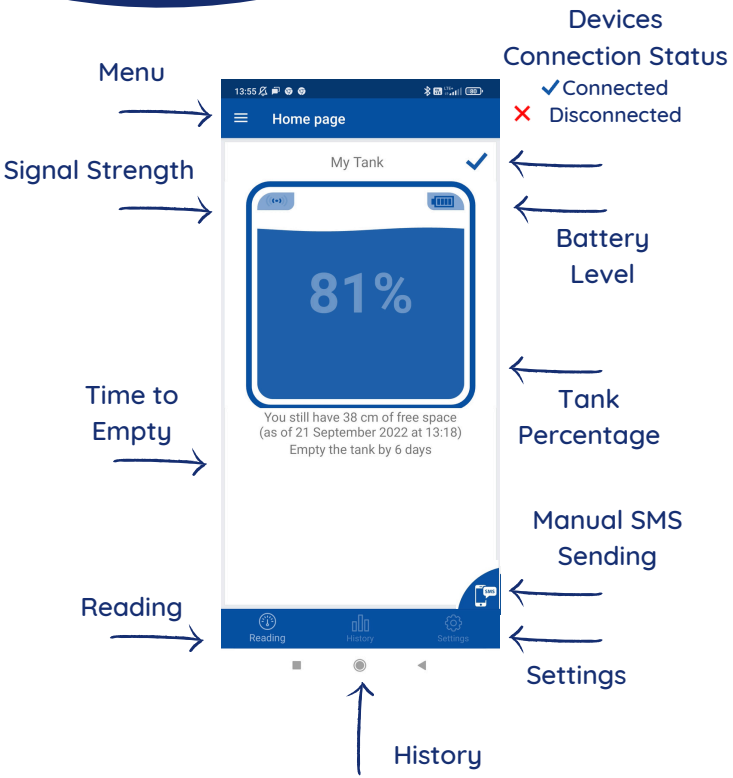
Aquilo App

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

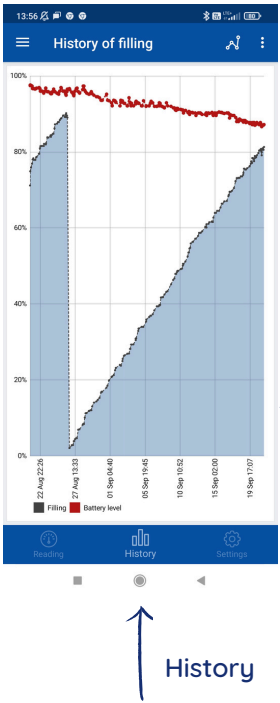
- Find out the current fluid level in the tank.
- Know the approximate filling time (if possible, the sensor itself predicts the time, based on the current filling rate).
- Find out what is the current battery status in the device.
- Get a notification when the tank filling level is worrying.
- View 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
13:55
Home page
My Tank
81%
You still have 38 cm of free space
(as of 21 September 2022 at 13:18)
Empty the tank by 6 days
Reading
History
Settings

Menu



History of the Recorded Battery Level

Show/ Hide Battery and Filter History by time periods

History of the Recorded Tank Level

Reading

Settings

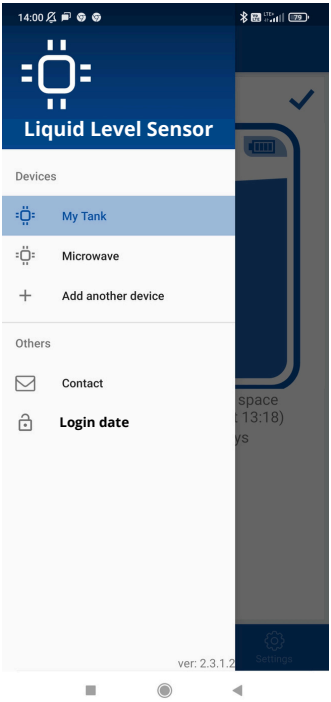
History

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: Transmitter: 114x112x61 mm.
- Temperature range for the Transmitter: -40 ° C - + 60 ° C.
- Permissible depth of the reservoir: 10 cm - 6 m.
- Power supply: lithium battery 3.6V R20 „D" / power cable 230V.
- Battery life: up to 1,5 years (depending on the conditions in which the Transmitter works)

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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