2021, August 27

Gobius Pro, Instructions on paper, 2021-3

Hi.
This information is for you who want them in writing and not just on your phone.
You will get the same and more updated info when downloading the App, Gobius, from Internet, Google play and App Store.

New features, version 4.5

- Improved Guide instructions
- Integrated Tank Calculator
- New tank screen
- Faster BLE communication
- Visualize the fluid level as a bar or as a point chart
- Share in View or Edit mode
- Sensor information:
    - Firmware version
    - Temperature inside the senor
    - Calibrated with full or empty tank
- Locked to your phone: Yes or No
- New Support mailfeatures



Please note that you must download the App before installing the sensor. You do all settings from the App. If you connect a panel like our Gobius fish with 2 LEDs in red and green, you do not need your phone to manage the sensor(s).

1
Download the Gobius App from Google Play or App Store.
Note: The first time you start the App, you will get a question like, “Gobius Pro would like to use Bluetooth”.
Please answer “Ok or Allow”, Never “No or Don’t Allow”.

2
In the Gobius Pro box you get:

- 1 sensor with 2 m cable
- 1 tank surface 3M Cleaner
- 1 extra 3M sensor tape
- 1 panel (the Gobius fish) with 1 red and 1 green LED light





3
Please check the tank wall thickness. If it is thicker than the specification, Gobius Pro will not work.

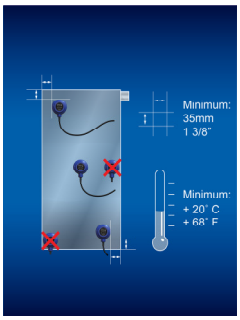
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- Stainless Steel & Steel, max 3 mm
- Polyethelene, max 12 mm
- Aluminium, max 5 mm
- Fibre Glass, max 8 mm

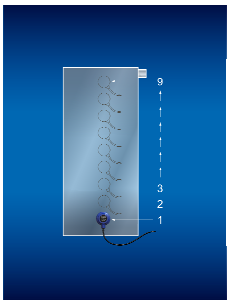
4

There are some more important things you must consider before mounting the sensor on the tank wall.



- Do not put the sensor closer than 35 mm from an edge, or another sensor and always on a vertical side of the tank.
- During installation, the tank wall temperature must be above + 20 C/68 F. If it is below the tape will not work satisfying and there is a chance that the sensor will fall off.

A heat gun or a hair dryer can be useful when you need to heat up the tank wall. After installation, the sensor will work between -10 C and + 60 C. Never heat up the sensor tape.

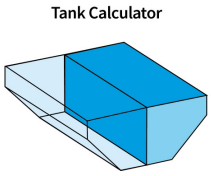


5

If you are going to install more than one sensor on one the tank, always start with the lowest. Repeat the Guide again for the next coming sensor. You can have maximum 9 sensors on one tank and the App can manage several tanks.

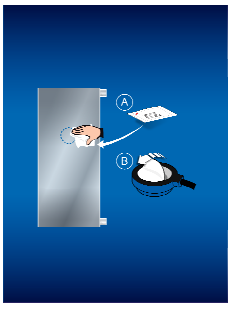
6

When you have an irregular tank, use this Tank Calculator to calculate where to place your sensors vertically. If you have 3 sensors, you can, for example, select the 25%, 50% and 75% levels, which are shown at the bottom of the table. You can also print out your calculation.



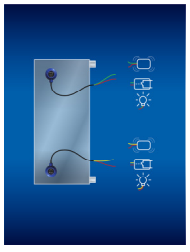
7

Mounting the sensor on the tank wall. Start with cleaning the place for the sensor. Please use the 3M Cleaner. Check that the tank wall is not concave, where you want to place the sensor and the temperature must be above +20 C/67 F.
Peal of the protective paper on the tape and press firmly (hard) on the sensor some seconds and wait a few minutes before proceeding with next step.



8

Each sensor has two digital outputs, (On & Off signal). You can connect the sensor to control systems, lamps/buzzers or relays.

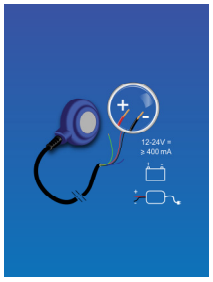




In the package you get the “Gobius fish” panel with two LEDs, red and green. See also note 19.

9

Now it is time for connecting the sensor to the power,+ is red cable and - is black. The sensor is supporting 12-24 volts.
(If you connect the other way, nothing will be damaged).



10

Your smart phone must have Bluetooth activated to get in contact with the sensor. Please have a look in your phones Configuration.

The Gobius App will automatically connect to the sensor. You don’t have to pair the sensor in your phone’s configuration. No code is necessary for pairing the phone with the sensor.

11

The App is now searching for your sensor. When you have your sensor Bluetooth connected, you can say “Hello” to the sensor. The sensor will give back an audible signal. If you cannot get in contact with the sensor, see also note 1, above.

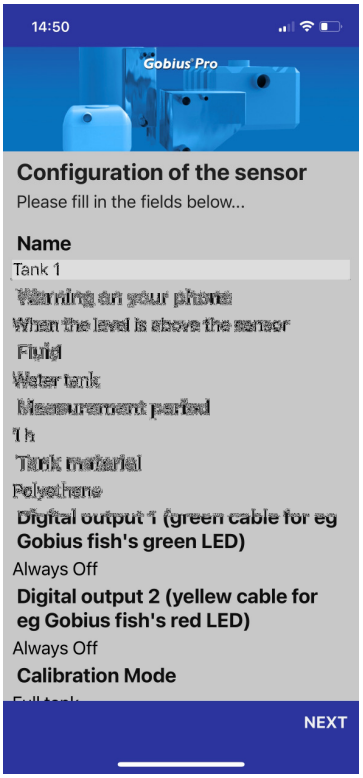
12

Now it is time for configuration.

- Give your tank a name
- Warning in your phone, select
    - When the level is above the sensor
    - When the level is below the sensor
    - Always off

- Fluid, select
    - Water tank
    - Gasoline tank
    - Diesel tank
    - Grey water tank
    - Waste/black water tank
    - Oil tank
    - Other fluid tank

- Measurement period, select (time between measurement)
    - 30 sec
    - 1 min
    - 2 min



- 1 hour
- 4 hours
- 24 hours
- 48 hours
- Never

Tank material, select

- Polyethene
- Steel
- Stainless steel
- Aluminum
- Fiber Glass

- Digital output 1, select (use green and red cables)
  - Always off
  - Always on
  - On when the level is above the sensor
  - On when the level is below the sensor

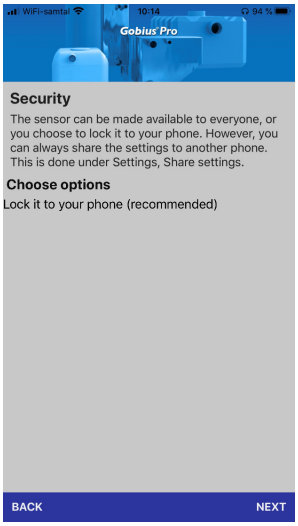
- Digital output 2, select (use yellow and red cables)
  - Always off
  - Always on
  - On when the level is above the sensor
  - On when the level is below the sensor

- Calibration, select (The fluid level can be above or below the sensor(s) when performing the calibration)
  - With full tank
  - With empty tank

13

Security

Here you can choose **Leave it open** to make your sensor available to everyone, or you choose to **Lock it to your phone**, ie the phone from which you do the installation.



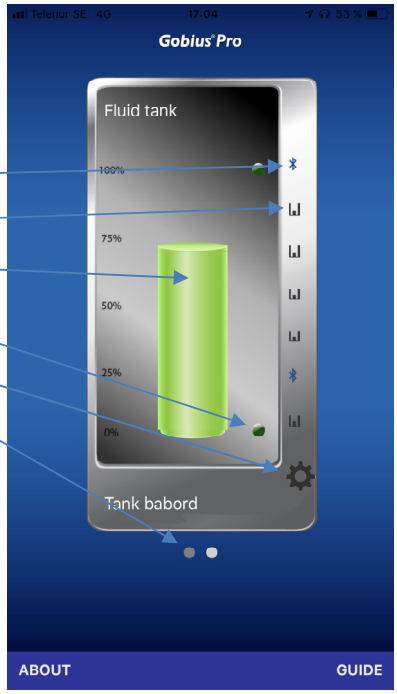
14

After performing this configuration, you can start the Calibration. It will take about 10 seconds. The sensor is now ready to work.

15

On the Tank screen on your phone, you have some small icons:

- Number of Bluetooth icons = number of sensors
- Blue icon, saying that the sensor is Bluetooth connected to your phone. Red icon, no Bluetooth connection
- Chart animation. The sensor is measuring
- The green bar = the fluid level
- Extra alarm when empty = Red (if not = Green)
- Cogwheel, click for going to Editing pages
- If you have more than one tank, scroll left-right

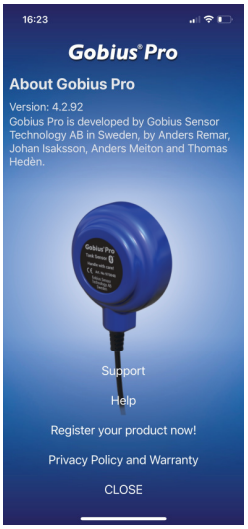


16

More information on the Tank screen

- **ABOUT**, give you:
  - App version
  - Name of the developers
  - Support, direct mail from you to contact our Support Center. Enter your name, mail address, phone no and description. Please add some photos of the sensor on the tank.
    (This will help us a lot to understand your problem.)
  - Help is a link to our Document page at our website.
  - Register your product now and get free support
    Privacy Policy and Warranty

- **GUIDE**
  - Direct access to install next sensor



17

Extra measure

From the configuration icon (Cogwheel) on the Tank screen, you can make an extra measurement. Please note that your phone must be Bluetooth connected to the sensor(s).



18

Edit
You can always make a new Calibration for all sensors at the same time, as well as changing settings like measurement period, titles, digital outputs and warning yes or no. When you do a new Calibration, it will be done for all sensors on the tank. If a title on your phone is in grey, it means that you are not Bluetooth connected to your sensors.

Visualization
- Point chart (you get red or green points for each level)
- Bar Chart (the bar describes the level of the fluid)

Sensor information
- Sensor firmware
- Temperature (inside the sensor)
- Calibrate with Full or Empty tank
- Locked to your phone, Yes / No

19
Sample with the Gobius fish panel
Digital output 1: Select, “On when the level is below the sensor”, please connect the green cable + the red cable to the fish cables. The green LED will light when the level is below the sensor.
Digital output 2, Select, “On when the level is above the sensor"”, please connect the yellow cable + the red cable to the fish cables. The red LED will light when the level is above the sensor.



20
Adding more sensors
Start always from the lowest sensor and go up wards, one by one.
You can keep the power on for the installed sensors.
Never power up all sensors at the same time.

21
Sharing Tank settings
You can always share your Gobius Pro with a friend.
Sharing can be in:
- View mode (no editing functions)
- Edit mode (all editing functions)



Note: Sensor version 970480 (see silver label on the sensor), or in app, Edit…, Sensor firmware 1.x, does not support Share. Sensors with 970480-2 and 970480-3 are ok.

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Gobius Sensor Technology AB develops and markets innovative products and solutions that create positive effects for boat owners and also for toilets on train. The products are easy to install, easy to use, reliable and are environmentally friendly. Gobius is marketed by distributors and dealers in 22 countries. The company started in 2008 and has launched products, which in an easy and effective way, from the outside of the tank, measure the level of waste, water, fuel and other fluid tanks. We have also received some awards in Sweden, Europe and USA. Patent/Trademarks: US 8.448.509, Sweden 0701520-9 and EU 2165164. Trademark Gobius, owned by Gobius Sensor Technology AB.

For further information, please visit www.gobiuspro.com.