Gobius® Pro
Wireless Tank Monitoring

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.
Please note that you must get 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 use the sensor.

1

Download the Gobius App from Google Play or App Store.
Note: The first time you start the App, you will get a question "Gobius Pro would like to use Bluetooth". Please answer Ok.
Never "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
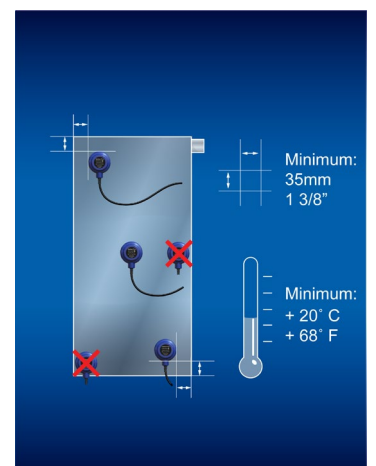- 1 panel (the Gobius fish) with 1 red and 1 green LED light

3

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

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

4

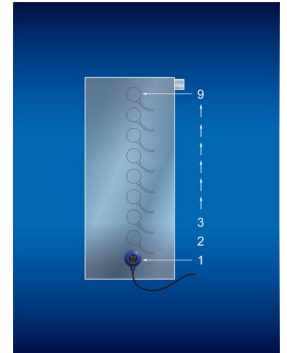There are some more important things you have to consider before mounting the sensor on the tank wall.

- Do not put the sensor closer than 35 mm from an edge, or another sensor and always on a vertical side of the tank.
- The tank wall temperature must be above + 20 C (+ 68 F). If it is below the tape will not work satisfying.

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.
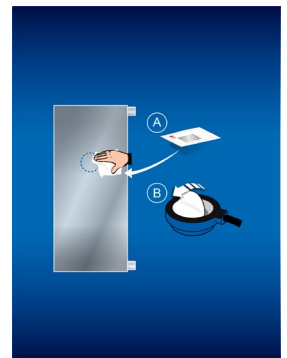
5

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.
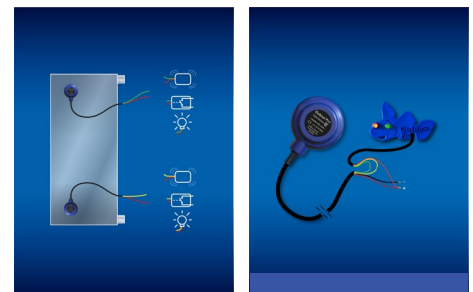
6

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, and that the temperature is above +20 C. 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.
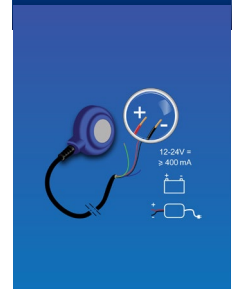
7

Each sensor has 2 digital outputs, (On & Off signal). You can connect lamps, relays or buzzers to each sensor. In the package you get the "Gobius fish" panel with two LEDs, red and green. See also note 18.

8

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).

9

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 do not have to pair the sensor in your phone's configuration. No code is necessary for pairing the phone with the sensor.
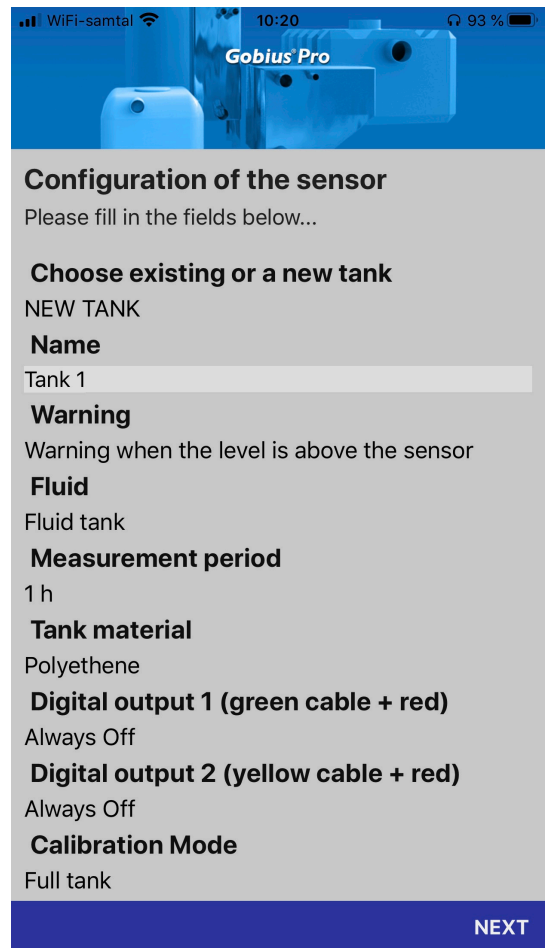
10

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.

11
Now it is time for configuration.
- Give your tank a name
- Alarm in your phone, select
    o When the level is above the sensor
    o When the level is below the sensor
    o Always off

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

- Measurement period, select
    (time between measurement)
    o 10 sec
    o 30 sec
    o 1 min
    o 2 min
    o 1 hour
    o 4 hour
    o 24 hour
    o 48 hour
    o Never

- Tank material, select
    o Polyethene
    o Steel
    o Stainless steel
    o Aluminum
    o Fiber Glass

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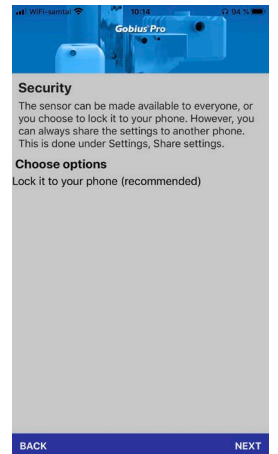   o Always on
    o On when the level is above the sensor

Configuration of the sensor
Please fill in the fields below...

Choose existing or a new tank
NEW TANK
Name
Tank 1
Warning
Warning when the level is above the sensor
Fluid
Fluid tank
Measurement period
1 h
Tank material
Polyethene
Digital output 1 (green cable + red)
Always Off
Digital output 2 (yellow cable + red)
Always Off
Calibration Mode
Full tank

NEXT

3

- o   On when the level is below the sensor

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

- Calibration, select (The fluid level must be above or below the sensor when performing the calibration)
  - o   Full tank
  - o   Empty tank

12
Security
Here you can choose **Open** to make your sensor available to everyone, or you choose to **Lock** it to your phone, i.e. the phone from which you do the installation.
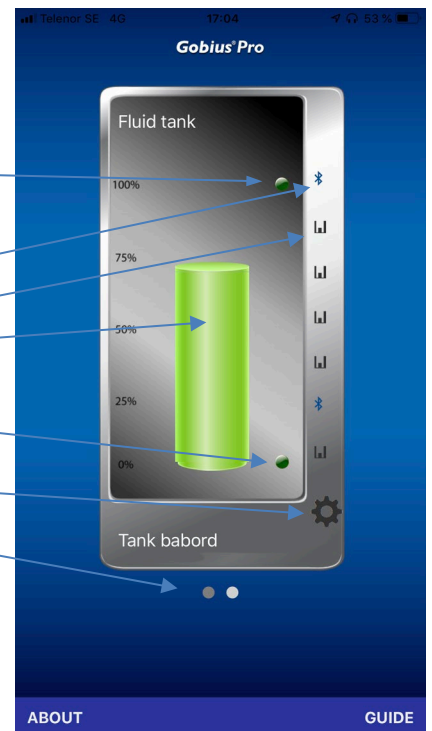
13
After performing this configuration, you can start the Calibration. It will take about 10 seconds. When it is done you will get OK on your phone. The sensor is now ready to work.
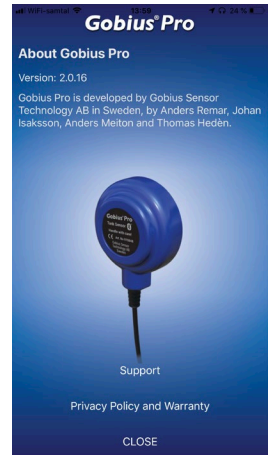
14
On the Show screen you have some small icons
- Number of Bluetooth icons = number of sensors
- Extra alarm when full = Red
- (if not = Green)
- Blue icon, saying that the sensor is Bluetooth connected to your phone. Red icon, no Bluetooth connection
- Bar chart, animation. The sensor is measuring
- The green bar = the fluid level
- Extra alarm when empty = Red (if not = Green)
- Cogwheel, click for going to Settings pages
- If you have more than one tank, scroll left-right

More information on the Tank screen
- **ABOUT**, gives you
  - Version no
  - Name of the developers

  - Support, direct mail to contact our Support Center
    - Enter your mail address, phone, Description
    - Add some photos of the sensor on the tank
    This will help us a lot to understand your problem.

  - GDPR And Warranty issues

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

15
Level information
If you have one or two sensors on the tank, you get a dot in
red or green, showing if the level is above or below the sensor.
See also point 11 above in this instruction.

If you have more than two sensors, you get a bar chart showing
the level in your tank. Depending on the choice of fluid, you get
different colors on the bar.

16
Sharing Tank Settings
You can always share your Gobius Pro with a friend. Sharing is only possible within
the same operating system, iOS and Android. Ice not from an iPhone to an
Android, or the other way around.

17
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.

18
Edit the sensor Settings
You can always change the settings when you like to do it, like change the Tank
name.
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.

18

Sample with the Gobius fish panel

Digital output 1: Select, "On when the level is above the sensor", please connect the green cable + the red cable to the fish cables. The red LED will light when the level is above the sensor.

Digital output 2, Select, "Always on", please connect the yellow cable + the red cable to the fish cables. The green LED will always light when the power to the sensor is on.

19

Adding more sensors

Start always from the lowest sensor and go up wards, one by one sensor.

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Editing several sensors

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.

For more information, please contact

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Gobius Sensor Technology AB develops and markets innovative products and solutions that create positive effects for boat owners and the worldwide maritime environment. 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 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 and www.gobius.se.