

Gobius[®] 
'C' the Exact Tank Level

NEW

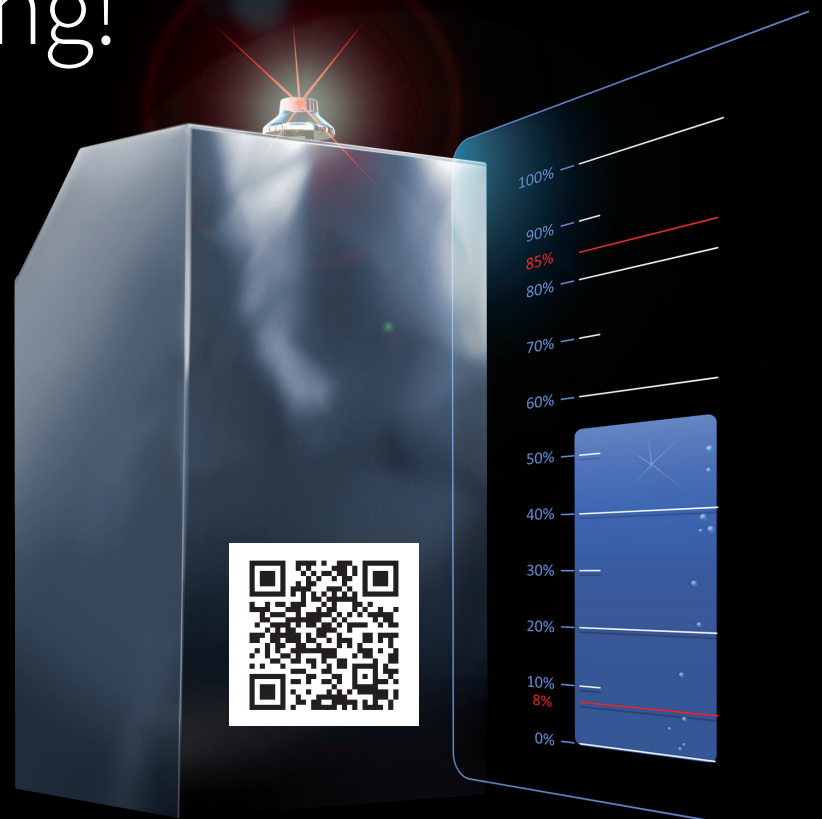
Support NMEA 2000
World premiere on IBEX
3-5 Oct, Tampa, US

A New Generation of Tank Monitoring!

We are now again introducing a completely new tank monitor system with NMEA 2000 that gives you the exact level and volume, regardless of the tank's geometry.

Plug and play installation from your phone. Support for NMEA 2000 makes it easy to connect Gobius C to multi-functional displays (MDFs) and smart devices.

The new sensor is developed for you who want to know the exact tank level so there is no guessing, no in-tank installation and no in-tank mess.



Gobius C Supports NMEA 2000

NMEA 2000, the network standard that enables devices from all different types of manufacturers to communicate with each other. This means that the new Gobius C can now be connected directly to multifunction plotters and control systems.



For the user, it becomes "plug and play"; mount the sensor on the tank, make all the settings via a phone, connect the cable to the NMEA 2000 system, and everything is ready. The new sensor is equally suitable for all types of liquids, such as water, petrol, diesel, oil, gray and black water.

Gobius C vs. Old Fashion Tank Monitors

Gobius C

- Support for NMEA 2000
- Measures from the outside of the tank (metal and polyethylene tanks)
- Stepless measurement, resolution 2 mm
- Instant showing the correct level and volume
- Reliable, never in contact with the fluid water
- Easy installation with your smart phone (Bluetooth) or PC
- Easy to integrate with control systems and external devices
- Integrated instant support functions



Old Fashion Indicators

- Measure inside the tank
- Never correct measurement
- No tank shape correction
- Unreliable, always in contact with the aggressive fluids
- Indicate often full even if the tank is empty
- Drilling holes are needed
- Always a leakage risk
- No exact stepless measurement

→ General Information

SKU: 970534

- Suitable for all types of liquids
- Plug and play installation
- All settings are done automatically
- Built-in Tank Calculator
- Built-in wave motion reduction
- No need for removing the tank
- Reading through polyethylene tank
- Adapted for standard holes in metal tanks (SAE J1810, 5 holes pattern, R 1 ¼")
- No cleaning inside the tank is needed
- No maintenance

→ Micro Radar vs. Ultrasonic

Ultrasonic uses sound waves, radar uses electromagnetic waves, which is the biggest difference. In general, it can be said that the radar provides a more stable measurement than an ultrasonic meter.

Measurement with Radar

- Reads through polyethylene, glass and fiberglass
- Does not read through metal
- Not affected by temperature
- Not affected by foam, vapors, pressure and dust

Measurement with Ultrasonic

- Does not read through polyethylene and fiberglass
- Does not read through metal
- Affected by temperature
- Affected by foam, vapors, pressure and dust
- Complicated installation

→ Gobius C/NMEA 2000

Our new tank sensor measures from the top and on the outside for all liquids, silently and with extreme accuracy, steplessly 0-100% – all with just one sensor per tank. Additionally, it does this with very low power consumption. For polyethylene tanks and fiberglass tanks, the sensor is mounted with pre-installed 3M tape. If you have a metal tank, a hole (min. 40 mm) is required to be able to measure correctly. Conveniently, the new Gobius C Adapter is compatible with the standard hole, 1 1/4", SAE 5 that is used for Wema's tank indicators (44 mm in diameter).



Manufacturer: Gobius Sensor Technology AB
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Among stones and bladder wracks is
a small fish lurking, the Black Goby
(Gobius is the Latin name)

→ Technical Description

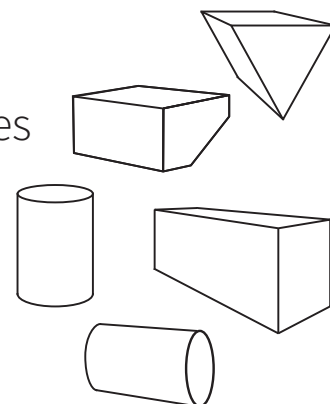
- Input voltage, 9-28 V DC
- Power consumption, 25 mA @ 12V
- Built-in Bluetooth, version 5.0
- Built-in temperature sensor
- Built-in accelerometer
- Built-in micro radar sensor
- Waterproof (IP 66)
- Connector male, 12 pins
- Two digital outputs (alarm levels):
 - Max. voltage: 30V
 - Max. current 500 mA
- 4-20 mA current loop interface, galvanically isolated
- Resistive output, 10-180 & 240-33 Ohms
- Voltage output 0-5 V
- Indicator LED, shows sensor state: inactive/calibrating/measuring/error

→ Measurement Functions

- Measuring range: 30-2000 mm
- Measuring interval: 2-5 seconds depending on fluid level
- Resolution: 2 mm
- Accuracy: +/- 5 mm

→ Tank Geometries

- Rectangular
- Irregular
- Vertical circular
- Horizontal circular



→ Sensor Facts

- Weight, 65 gram
- Dimensions, high 65 mm, width 95 mm
- Cable length, 1 m
- Sensor plug, male
- NMEA 2000 plug, male
- Sensor material, ABS
- Bluetooth, version 5.0

→ Software

- New app for iOS and Android phones
- Installation / change / removal
- Sensor firmware update via Internet
- Correct level calculation, incl (% and liters)
- Two digital outputs, four states
- Display on phones