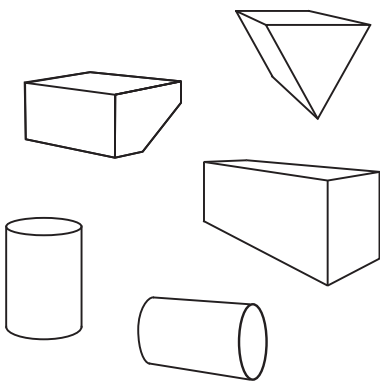# Gobius®C
'C' the Exact Tank Level

It's Time for a New Gobius!

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

Gobius C 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. Simple and precise so you can 'C' inside your tank accurately. And, Gobius C integrates with other instruments and systems and can display information on your phone or Windows PC in real time.

100%
90%
85%
80%
70%
60%
50%
40%
30%
20%
10%
8%
0%

Gobius C
– A Combination of Gobius Technologies

We have also developed a new tank volume calculation software, which takes into account the geometry of the tank to be able to specify the exact level in the tank (% and volume) and a new built-in wave motion reduction software to minimize the impact of large waves at sea.

By combining these functions together with a micro radar sensor, we now offer an unbeatable product for smaller tanks (up to 2 m high), such as water, fuel and waste tanks, at an unbeatably low price.

Gobius C vs. Old Fashion Tank Monitors

Gobius C
- Measures from the outside of the tank (metal and plastic tanks)
- Stepless measurement, 2-3 mm accuracy
- 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 measurment
- No tank shape correction
- Unreliabe, 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: 970526

- Suitable for all types of liquids
- Very easy and quick to install
- All settings are done automatically
- Built-in Tank Calculator
- Built-in wave motion reduction
- No need for removing the tank
- Reading through plastic tank
- No tank wall thickness limit
- Adapted for standard holes in metal tanks (SAE J1810, 5 holes pattern, R 1 ¼")
- No cleaning inside the tank is needed
- No maintenance

Ultrasonic vs. Micro Radar

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

Gobius C

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 plastic 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 that is used for Wema's tank gauges (44 mm in diameter).

Technical Description

- Input voltage, 9-28 V DC
- Power consumption, 10 mA
- Built-in Bluetooth, version 5.0
- Built-in temperature sensor
- Built-in accelerometer
- Built-in micro radar sensor
- Max voltage: 30 V
- Max current: 500 mA
- Waterproof (IP 44)
- Connector, female 8 pins
- Two digital outputs (alarm levels)
- 4-20 mA, galvanically insulated
- Resident outputs, 10-180 & 240-33 Ohm
- 0-5 V
- Sensor LED, shows active/measuring

Measurement Functions

- Measuring range, 0-2000 mm
- Measuring interval, 1 second
- Resolution: 1 mm
- Accuracy: +/- 2-3 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
- Connector on the sensor
- Sensor material, ABS
- Bluetooth, version 5.0

Software

- Web-app for iOS, Android phones and Windows PC
- Installation / change / removal
- Correct level calculation, incl (% and liters)
- Two digital outputs, four states
- Display on the phone
- Built-in test functions
- Built-in error report

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