

RADAR-ACCURATE TANK LEVELS, WITHOUT THE RADAR PRICE TAG.

STR2.

One Sensor. Every Tank.

The STR2 radar tank level sender measures liquid tanks from 150 to 2000 mm without ever touching the liquid, and speaks native NMEA 2000 straight to your chartplotter. Designed and manufactured in Slovenia, EU.



Radar, Visualized

— THE ANNOUNCEMENT

The First Radar Tank Sender **Built for the Rest of Us.**

Simarine — the Slovenian maker of battery-monitoring and digital-switching systems for boats and campervans — has launched the STR2: a micro-radar tank level sender with native NMEA 2000 output. It reads through the tank lid, fits every tank height, and works with any liquid. Radar-grade accuracy, at a price the mainstream market can finally reach.

150-2000

MM TANK HEIGHT RANGE

€99

EXCL. VAT • RRP

0

MOVING PARTS

3-yr

WARRANTY



— THE PROBLEM

Tank Sensing Hasn't Moved in 30 Years.

Every legacy option makes you compromise — on accuracy, on reliability, or on how much of the boat you have to take apart to fit it.

Floats Stick

A mechanical arm, pivot and float inside the tank — gummed by diesel, seized by corrosion, reading roughly $\pm 5\text{--}10\%$.

Probes Drift

Capacitive and tube probes sit in the liquid, foul over time and drift as the fluid changes. A leak path below the liquid line.

Ultrasonic Is Fooled

Foam and dirty liquid scatter the signal, and readings wander — while the good external units still cost €200–400.

— THE BREAKTHROUGH

Radar That Reads Through the Lid.

The STR2 is a micro-radar sender that mounts on the outside of the tank top and measures the liquid without ever touching it. No probes, no float arms, no holes below the water line.

- ✓ Non-contact — nothing inside the fuel, water or waste
- ✓ ≈ 7 mm resolution across the full tank height
- ✓ No drift, no stick, no wear — and foam is no obstacle

STR2 • NMEA 2000 SENDER



Made in Slovenia

— HOW IT WORKS

Fitted in Three Steps — No Tank Entry.

01

Peel & Stick on Top

Bond it to the outside of a composite lid; metal tanks use the S5 adapter. Just 32 mm tall for tight bays.

02

Leave the Old Sender

No extraction, no drain. Disconnect the old wiring and connect the STR2 to your existing network or display.

03

Calibrate from Your Phone

Auto tank-height detection plus fine-tuning over Bluetooth in the Simarine Connect app.

THE OUTPUT

Native NMEA 2000. Straight to the Helm.

The STR2 publishes PGN 127505 (Fluid Level) directly onto the NMEA 2000 backbone — no extra module, no analogue-to-digital bridge. Plug it in and the reading appears on the chartplotter you already trust.

Native NMEA 2000

PGN 127505 — Fluid Level, published directly.

Any Modern MFD

Displays on any chartplotter already on the network.

Bluetooth Setup

Configuration and monitoring via Simarine Connect.

NOTE NMEA 2000 certification is in progress — ask for current status.



STR2 · Reading Live on the Network

— WHY IT MATTERS

Six Reasons to Care.

01

Radar Accuracy

Millimetre-level resolution across the full range — no drift over time.

02

Non-Contact

Nothing in the liquid. No fouling, no corrosion, no leak path.

03

Any Liquid, One Part

Fresh, grey and black water plus diesel and petrol — one sensor.

04

Native NMEA 2000

PGN 127505 straight to any modern MFD, no extra module.

05

Built to Last

No moving parts, sealed housing, 3-year warranty.

06

Price-Performance

Radar-grade readings at a fraction of external-radar pricing.

Set Up and Read It from Your Phone.

No calibration rig, no service cables. The free Simarine Connect app does the whole job over Bluetooth.

Auto Tank-Height Detection

Records the tank geometry automatically — no empty/full ritual.

Multi-Point Calibration

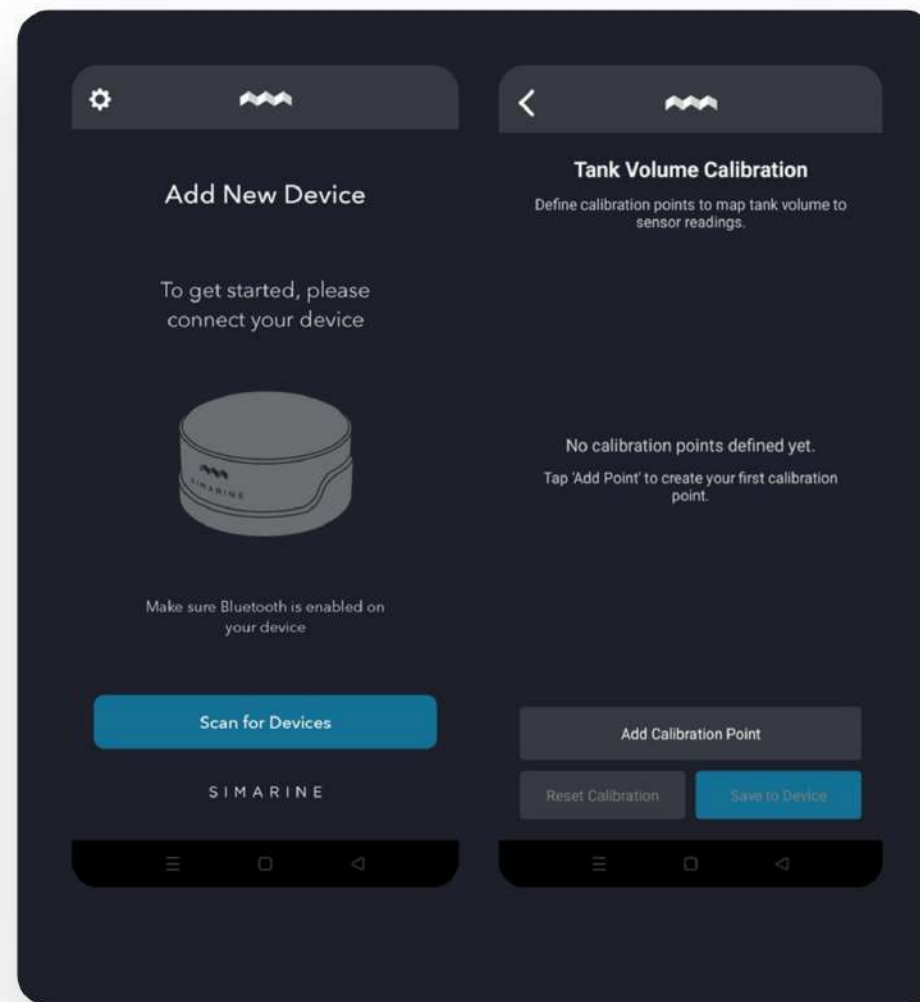
Fine-tune up to 100 points for irregular tank shapes.

Firmware Updates over Bluetooth

New features and fixes pushed straight from the app.

DOWNLOAD ON THE APP
STORE

GET IT ON GOOGLE
PLAY



— WORKS WITH WHAT YOU HAVE

Publishes to the Network **You Already Have.**

No new ecosystem to buy into. The STR2 speaks NMEA 2000 — the language of the equipment already on board. Once configured in the app, the settings are stored on the sender itself.

Simarine PICO

Feeds into the Simarine system via the Simarine NMEA 2000 Gateway — levels appear alongside your battery and tank data.

Any NMEA 2000 MFD

Publishes PGN 127505 (Fluid Level) directly onto the backbone.

N2K Gateways

Feeds tank levels into any NMEA 2000-compatible dashboard, Victron Cerbo GX included.

— HOW IT COMPARES

STR2 vs the Rest.

	SIMARINE STR2 radar	OTHER RADAR SENDERS	ULTRASONIC	CAPACITIVE PROBE	CLASSIC FLOAT
CONTACT WITH LIQUID	None	None	None	Rod inside	Arm inside
MOVING PARTS	None	None	None	None	Arm, pivot, float
FOAM / DIRTY LIQUID	Reads through foam	Blinded by foam	Foam scatters	Fouled = wrong	Reads stuck
CONDENSATION	Low impact	Can weaken signal	Echo weak / inaccurate	Reading drift	Corrosion
DRIFT OVER TIME	None	Low	Fine in clean air	Drifts with fluid	Sticks, corrodes
INSTALLATION	Peel & stick	Top-mount	Needs air gap	Drill, seal, drop	Cut hole, seal
RESOLUTION	≈ 7 mm	mm-level	±1%	±2%	±5-10%
PRICE POINT	€99 excl. VAT	€250-500+	€200-400	€100-250	€15-80

— SPECIFICATIONS

STR2 — NMEA 2000.

MEASUREMENT	
PRINCIPLE	High-precision micro-radar (non-contact)
TANK HEIGHT	150 – 2000 mm
RESOLUTION	≈ 7 mm
DEAD ZONE	≈ 10 mm, radar face to liquid
OUTPUTS	
NMEA 2000	Native — PGN 127505 (Fluid Level)
APP & UPDATES	Bluetooth · Simarine Connect
ELECTRICAL & PHYSICAL	
SUPPLY / DRAW	8-35 V DC · ≈ 14-20 mA @ 12 V



— IN THE FIELD

Drop In. Don't Pull Out.

The biggest cost of replacing a tank sender isn't the sensor — it's extracting the old one: cutting access panels, draining the tank, a half-day at the yard. The STR2 removes that step entirely.

01 **Leave the Old Sender in Place**

Disconnect its wiring — no drain, no tank entry.

02 **Bond to the Tank Top**

Peel-and-stick on composite; S5 adapter on metal — low profile for tight bays.

03 **Calibrate over Bluetooth**

The app matches the STR2's reading to your existing NMEA display.



— STR TANK ADAPTER · STR-A

For Metal & Steel Tanks.

Radar reads straight through composite lids. For metal or steel tanks, the STR Tank Adapter gives the STR2 a sealed opening to look through — bolted down, then the sender peels and sticks on top.

1× STR
Adapter

1×
Sealant

5× M10
Bolts

- 01** Clean and dry the tank surface, then seat the rubber seal over the opening.
- 02** Align the adapter, then bolt down with the 5 M10 bolts in a cross-pattern — don't overtighten.
- 03** Peel the film from the STR2 and press it firmly onto the adapter.

— PRICING & AVAILABILITY

In Stock and Shipping Now.

THE NMEA 2000 SENDER

STR2

€99 excl. VAT

€121 incl. VAT · consumer RRP

Native NMEA 2000 to any modern MFD, plus
Bluetooth setup via the app. Certification in progress.

UK availability through Simarine's UK distributor network · simarine.net/support

The Questions We Get.

Does It Work on Metal Tanks?

Yes — radar reads directly through composite/GRP lids; metal tanks use the S5 adapter for a clear line of sight.

Which Liquids?

Fresh, grey and black water plus diesel and petrol — one sensor covers every tank.

What's the Warranty?

A full 3-year warranty on the STR2, backed by Simarine in Slovenia.

Is NMEA 2000 Certified?

The STR2 publishes native PGN 127505 today; formal NMEA 2000 certification is in progress.

Do I Remove the Old Sender?

No — leave it in place, disconnect its wiring, and connect the STR2 to the existing network or display.

— THE MAKER

Designed & Built in **Slovenia, EU.**

Simarine builds battery-monitoring and digital-switching systems for yachts and campervans. The STR2 is engineered, assembled and tested at home, from European-sourced components, with a 3-year warranty behind every unit.

SI

MADE IN
SLOVENIA

EU

SOURCED SUPPLY
CHAIN

3-yr

WARRANTY ON EVERY
STR2



The Simarine team · Slovenia
The Simarine team · Slovenia



Thank you.

Press Enquiries & Assets.

SALES & PRESS

Contact the Simarine team for review units and assets.

SUPPORT

Technical questions & fitment help.

WEBSITE

simarine.net — specs, manuals, media kit.

Designed to Leave **Less Behind.**

STR2 is built and certified to minimise its footprint at every stage — in manufacturing, on the shelf, and over its working life aboard. Simarine's Maribor facility operates under ISO 14001:2015 Environmental Management, with a documented Environmental Policy governing production, packaging and energy use.

• **ISO 14001:2015
CERTIFIED**

• **ENVIRONMENTAL POLICY ON
FILE**

• **MADE IN SLOVENIA,
EU**

✓ No moving parts and no wear components — nothing inside the sender to lubricate, replace or discard over its working life.

✓ Powered entirely from the NMEA 2000 backbone — no disposable batteries to source, ship or dispose of.

✓ One sender model spans 150–2000 mm of tank height — fewer part numbers to manufacture, box and freight than a depth-specific product line.

✓ Recyclable packaging and smart energy use across production, per Simarine's published Environmental Policy.

✓ 3-year warranty on a sealed, solid-state sender — built for a long service life rather than periodic replacement.

✓ Manufactured in Maribor, Slovenia — close to Simarine's principal European markets, shortening the supply chain.

Nothing Inside. Everything Considered.

Every tank sender before STR2 needed something submerged — a float, an arm, a probe. STR2 removes the mechanism entirely: one micro-radar reads the tank from outside, and every tank shape or height is handled in software, not in a different part.

CONVENTIONAL SENDERS

- ✗ Float, arm & pivot mechanism
- ✗ A different probe length per tank
- ✗ Immersed wiring & seals
- ✗ New opening cut into the tank

STR2

- ✓ Single micro-radar, no moving parts
- ✓ One model, 150-2000 mm via app calibration
- ✓ External, peel-and-stick mount
- ✓ No liquid contact, reads through foam

≈7mm
RESOLUTION

≈10mm
DEAD ZONE

100
CALIBRATION POINTS

1
SENDER, EVERY TANK