



SIMARINE

# Catalogue 2022

Insight on Seaside





3<sup>rd</sup> PARTY PLOTTER



N2K GATEWAY



PICO



SIMARINE

PICO ECOSYSTEM



TANK LEVELS



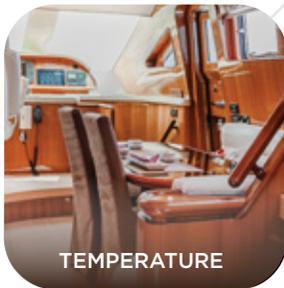
ST107 MODULE



SC503 SHUNT



BATTERY



TEMPERATURE



FRIDGE (CONSUMERS)



SCQ SHUNT



SOLAR PANEL (GENERATORS)





# S I M A R I N E

Simarine, based in the heart of Europe in Slovenia, is a product company developing and producing advanced solutions in the field of marine and caravan electronics.

[www.simarine.net](http://www.simarine.net)

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SIMARINE

# SIMARINE PICO

Simarine PICO is the ultimate battery monitoring system that sets new standards of controlling and analysing battery and tank condition on the marine and caravan market.





3.5" IPS LCD  
Anti-Reflective  
Gorilla Glass



Sleek design - only  
10mm thick



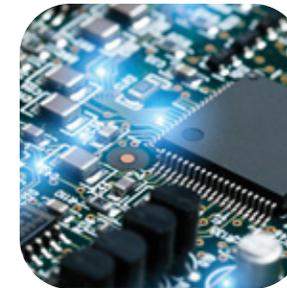
Direct connection  
to your phone



CNC milled from a  
single piece of  
anodised aluminum



Water-tolerant  
touch buttons



Low power  
consumption

Panel-mount version. Available colors:  



### State of the art battery monitoring

Precise monitoring of battery state of charge, voltage and temperature.

Supporting various voltage configurations (12V, 24V, 36V and 48V), even in the same system.

Multiple battery, consumer and generator monitoring on both low (-) and high (+) side.

Compatible with both Lead-Acid and Lithium-ion batteries.

Standalone version. Available colors: ● ●



### High precision tank monitoring

Up to 10 calibration points for monitoring of irregular shaped tanks.

Compatible with Tank level sensors that use Analog Resistance or Voltage signal.

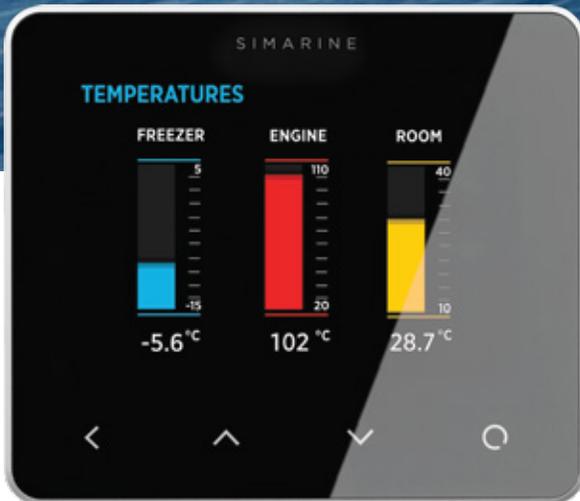
You can choose between fuel, fresh, grey and black water. Each type has a different color scheme.

# PICO

## BATTERY MONITOR

# PICO

## BATTERY MONITOR



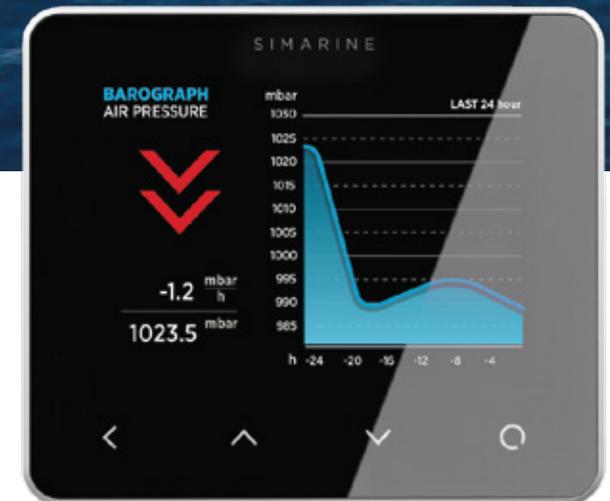
### Multiple temperature monitoring

Displays up to 14 current temperatures of connected temperature sensors.



### Convenient leveling

Easy way to level your vehicle, observe the angle of sailing your yacht or spread the load evenly on your boat.



### Don't let the weather catch you off guard

Gets the information about air pressure status, barometric changes and trend. PICO has a built-in Barograph sensor.

# SIMARINE APP

FOR ANDROID AND IOS



## Use your data directly from your pocket

A convenient way of configuring PICO settings, upgrading the firmware and monitoring live data of your batteries, tanks and temperatures.

With the Simarine App, you can easily monitor the power usage, tank levels, adjust settings, control the switch panel and update your hardware to the latest version.



# SC303 / SC503

ACTIVE DIGITAL SHUNT

## 1x Current Meter

SC303 - 300A of continuous current  
SC503 - 500A of continuous current

Simarine's high precision **SC303** and **SC503** active digital shunts measure voltage, current and temperature of a battery or battery bank.

Additionally, it allows monitoring tanks for fuel, fresh and gray water.

**Suitable for monitoring:**  
current draw of heavy consumers (inverters, bow and stern thrusters, anchor winches)  
current generators (shore power chargers and solar panels).  
Additionally, it has additional inputs to monitor fuel, fresh, grey and black water tank levels.

## U1 voltmeter for the main battery

Extra voltmeter (U2) for either another battery or tank level sensor with a voltage output.

## 2x Resistance input

Tank level sensors with a resistance output signal or a temperature sensor.

**2x SiCOM data connection port.**  
Allows additional connections (Daisy chain).

**Temperature sensor**  
(-JST connector)  
Included: Sensor NTC10K (1m).



# ST107

## TANK LEVEL and VOLTAGE MODULE



2x SiCOM data connection port.  
Allows additional connections  
(Daisy chain)

### 3x Tank level sensors with analog voltage output

- or battery voltage
- or custom user sensors (with voltage output).

### Programmable Alarm Signal Relay

Trigger on:

- State of charge,
- (Battery) Time to go,
- Tank level,
- Voltage input measurement,
- Current input measurement,
- Barometric trend,
- Temperature.

### 4x Tank level sensor with resistance output

- or temperature sensors (1k NTC, 5k NTC, 10k NTC).

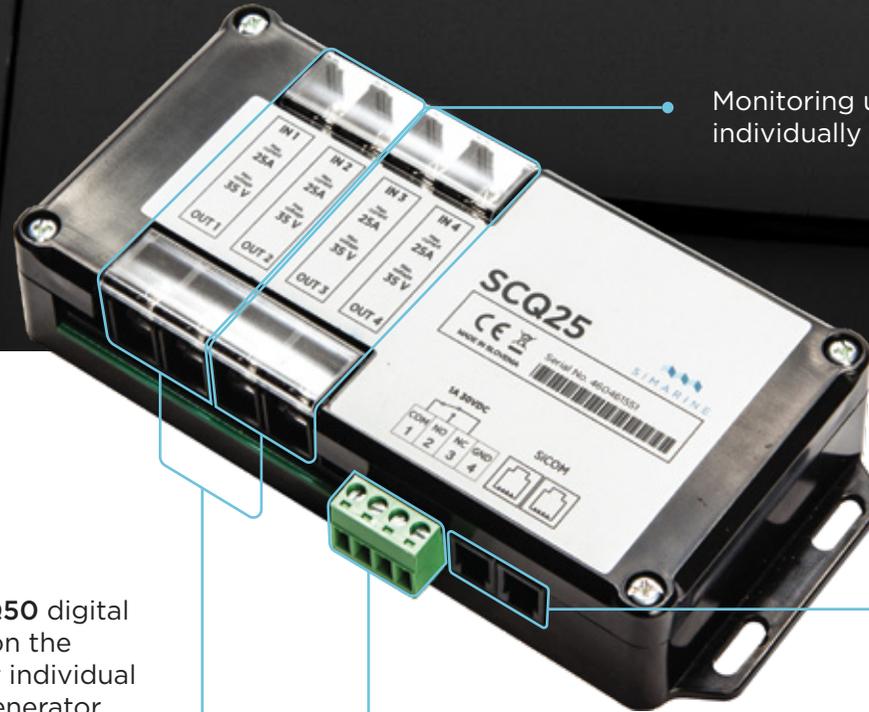
Simarine's **ST107** Digital tank module is a highly versatile module. Its main purpose is to measure any liquid level. It can be used to measure voltage, current or temperature.

### It can monitor up to:

- 7 tank levels,
- or 3 battery voltages,
- or 4 temperatures.

# SCQ25 / SCQ50

## QUADRO DIGITAL SHUNT MODULE



Monitoring up to 4 devices up to 25A current individually (consumers or generators)

SIMARINE's **SCQ25** and **SCQ50** digital shunts are unique modules on the market, designed to monitor individual currents of consumer and generator devices. Suitable for wiring both in low (-) or high (+) side, making it easy to install.

Possibility of **merging two channels together**, presenting the two merged channels as a single device while doubling the maximum continuous current.

### Programmable Alarm Signal Relay

Trigger on:

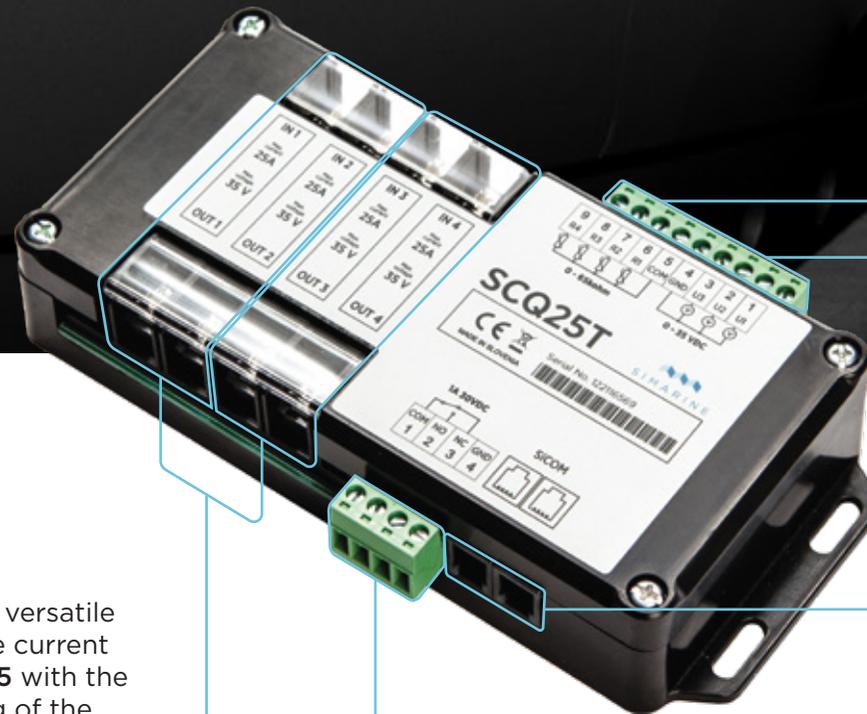
- State of charge,
- (Battery) Time to go,
- Tank level,
- Voltage input measurement,
- Current input measurement,
- Barometric trend,
- Temperature.

2x SiCOM data connection port.

Allows additional connections (Daisy chain).

# SCQ25T

## QUADRO DIGITAL SHUNT AND TANK MODULE



3x Tank level sensors with analog voltage output

- or battery voltage,
- or custom user sensors (with voltage output).

4x Tank level sensor with resistance output

- or temperature sensors (1k NTC, 5k NTC, 10k NTC).

2x SiCOM data connection port.

Allows additional connections (Daisy chain).

The **SCQ25T** is SIMARINE's most versatile module, combining all the unique current monitoring features of the **SCQ25** with the tank and temperature monitoring of the **ST107**.

**SCQ25T allows monitoring up to:**

- 7 tank levels,
- 3 battery voltages,
- 4 temperatures.

Monitoring up to **4 devices up to 25A current** individually (consumers or generators)

**Programmable Alarm Signal Relay**

Trigger on:

- State of charge,
- (Battery) Time to go,
- Tank level,
- Voltage input measurement,
- Current input measurement,
- Barometric trend,
- Temperature.

# N2K

## GATEWAY MODULE



Simarine's **N2K** Gateway module.

Allows your PICO to transmit and receive various N2K data.

PGN	PGN Name	receiving	transmitting
59904	ISO Request	✓	✗
60928	ISO Address Claim	✓	✓
126996	Product Information	✗	✓
127257	Attitude	✗	✓
127502	Switch Bank Control	✗	✓
127505	Fluid Level	✗	✓
127506	DC Detailed Status	✗	✓
127508	Batters Status	✗	✓
130310	Enviromental Parameters	✗	✓
130314	Actual Pressure	✗	✓

# SDI010

HIGH-RESOLUTION DIGITAL INCLINOMETER



**2x SiCOM PORT**

Allows additional connections (Daisy chain).

**SDI01** is a high-resolution digital inclinometer for pitch and roll with manual calibration

The module was designed so that configuration and calibration of the inclinometer is quick and user friendly.

Variety of settings available for user to configure.

# SETS

## PICO BATTERY MONITOR SETS



## PICO BLUE

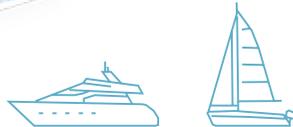
- 1x PICO display unit
- 1x SC503 shunt
- 1x ST107 tank and voltage module
- 1x SCQ25 quadro shunt module

Blue is the colour of complete control. SIMARINE's innovative PICO BLUE set presents a complete battery and tank monitoring solution for particularly demanding yacht or caravans owners. A special feature of the BLUE set is the precise monitoring of additional energy sources (solar panels, wind in hydro and shore power generators) and energy consumption of individual consumers, such as the refrigerator. It is recommended for systems with 1 main battery, up to 3 auxiliary battery (voltage reading only) and up to 4 tanks. In addition, it enables independent monitoring of 4 consumers / generators up to 25 A.

Temperature sensor with JST connector included.

# SETS

## PICO BATTERY MONITOR SETS



## PICO STANDARD

- 1x PICO display unit
- 1x SC303 shunt module
- 1x ST107 tank module

PICO STANDARD set presents a complete battery and tank monitoring solution for yachts and caravans with 1 main battery, up to 4 auxiliary (voltage reading only) and up to 6x tanks or temperatures.

Temperature sensor with JST connector included



## PICO ONE

- 1x PICO one display unit
- 1x SC303 shunt module

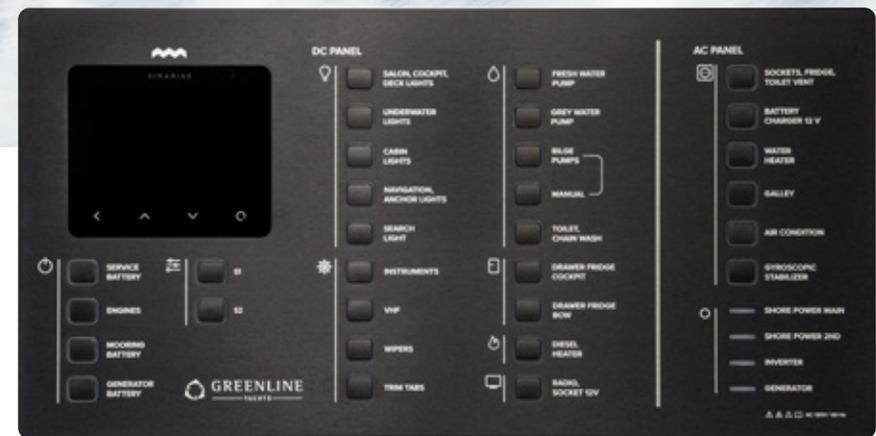
Perfect battery and tank monitoring solution for smaller boats, yachts and caravans with 1 main battery, 1 aux battery (voltage reading only) and up to 2x tanks or temperatures. Barograph function included.

Temperature sensor with JST connector included.

# NEREIDE

DIGITAL SWITCHING

**DAME**  
CATEGORY  
WINNER 2017



## GEN 1

Made entirely out of highest grade anodised aluminum and glass, the Nereide panel combines state of the art electronics with premium feeling. It combines advanced battery monitoring system, switch panel and power unit together in a single elegant solution.

The compatibility with the rest of SIMARINE's expansion modules, provides the user with the ability to build upon the system by adding additional modules as required. The safety backup override feature ensures operation even in case of high voltage impact.

# NEREIDE

## DIGITAL SWITCHING



### GEN 2

Building on the awarded first NEREIDE, the new generation separates the power unit from the control unit, making it even more compact and easier to find a place for. Wiring via industry standard connectors makes easy and fast to install.

Coupled with the out of the box N2K compatibility opens new possibilities of remote operation and management. The renowned compatibility with the rest of SIMARINE's expansion modules and the safety backup override feature are preserved as well.



## SIMARINE

Simarine, based in the heart of Europe in Slovenia, is a product company developing and producing advanced solutions in the field of marine and caravan electronics. Our company consists of experienced and dedicated team members.

In cooperation with renowned partners from Europe, North America, Asia, and Oceania, we strive to set new standards in the field of the marine and caravan in terms of functionality, design, connectivity and ease of use. Meeting the highest demands of our end users with uncompromised quality, high-quality materials, and products built in detail. Our goal is to develop and produce premium quality products, that are brilliantly simple to use and can blend perfectly into the most elegant of environments. With that idea in mind, we design and develop all our products for yachts, boats, and caravans.

The system is compatible with the NMEA2000 devices via the NMEA2000 Gateway module. This advantage provides users with the ability to access monitoring data from different NMEA2000 compatible devices. We redefine smart control panels and battery monitors by designing and developing the ideal solution with the option of remote management and monitoring.

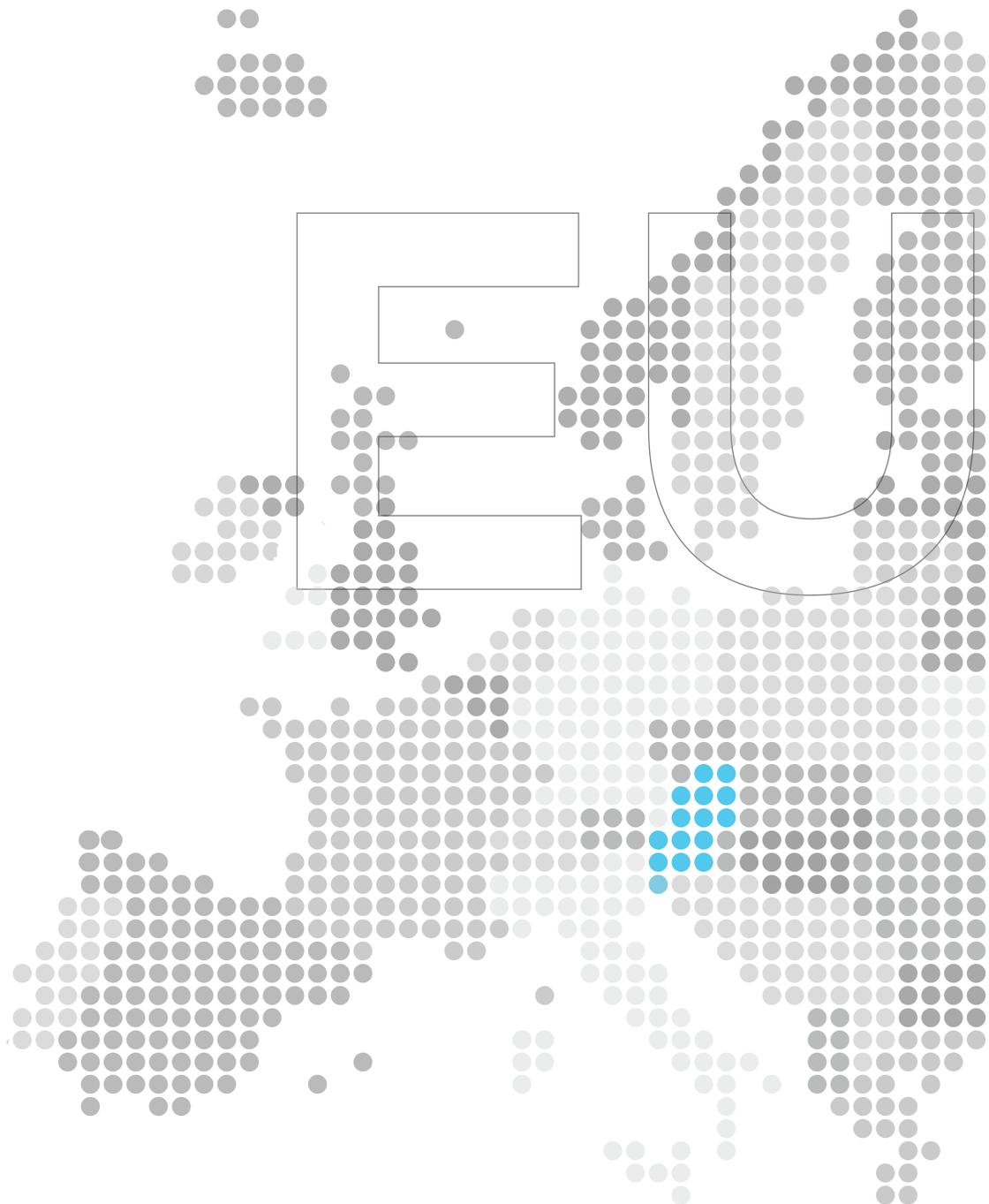
Our solution is modular which gives users the ability to expand the scope of monitoring by introducing additional expansion modules to the system. Various possible software configurations allow for flexibility to the hardware aspect of the system, which gives the user more freedom when wiring the system. This is very useful not only for when the project is a new build, but even more so when the project is an upgraded version of an existing monitoring system.

### **Have questions about our products? About potential partnerships?**

Then contact us, we reply in super-fast speed.

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P

E

**Slovenia**



Simarine is a Partner of the TQ Group



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