



SIMARINE

**DAME**  
NOMINATED  
2016

METSTRADE AMSTERDAM



**2018**  
**PRODUCT PORTFOLIO**

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



SIMARINE

# NEREIDE

**SMART POWER PANEL**  
with Integrated Battery and Tank Monitoring System

**THE MOST ADVANCED POWER PANEL**  
**ON THE MARINE MARKET.**

## FEATURES

Safety of Analog, Comfort of Digital

Scene Settings

Remote Management via iPad

Single Piece Waterproof 3D Aluminum Front

Modular and User-Replaceable Electronic Backend

AC | DC | Remote Main Switches

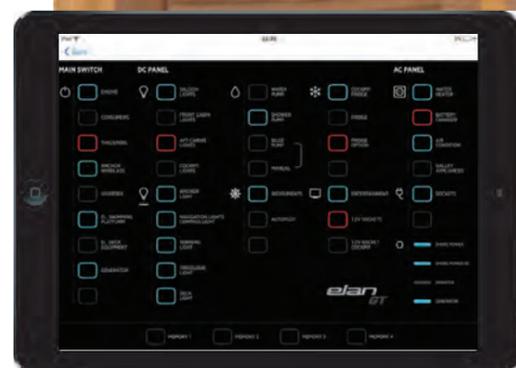
Low Power Consumption - < 200mA

**STANDARD INSTALLATION IN PREMIUM YACHT**

**elan**  
**GT5**



**DAME**  
CATEGORY  
WINNER 2017  
METSTRADE AMSTERDAM



Download on the  
App Store



**NEREIDE**  
SMART LIGHT SWITCHES



SIMARINE  
**PICO+**

SMART BATTERY MONITORING SYSTEM  
with integrated Barometer with Barograph



**PICO**

SMART BATTERY MONITORING SYSTEM



**NEW!**

**PICOone**

SMART and SIMPLE BATTERY MONITOR



# BATTERY MONITOR WITH REAL-TIME BATTERY HEALTH™



## STATUS

show percentage of  
battery



## TIME

time of battery  
remaining



## OVERVIEW

real-time charging  
overview



## ALERTS

never forget when to  
charge



## HEALTH

real-time battery health  
algorithm™



## MOBILE

remote access  
via mobile apps

### MOBILE CONNECTIVITY



**Free**

Android and iPhone/iPad Apps

# PICO+

SMART BATTERY MONITORING SYSTEM  
with integrated Barometer with Barograph



# PICO

SMART BATTERY MONITORING SYSTEM



# PICOone

SMART and SIMPLE BATTERY MONITOR



## TARGET MARKET SEGMENTS



## MAXIMUM CONNECTIONS

- UP TO **6** BATTERY BANKS
- UP TO **6** ADDITIONAL BATTERY VOLTAGES
- UP TO **20** CONSUMERS OR GENERATORS
- UP TO **14** TANK MODULES
- UP TO **8** TEMPERATURES
- INTEGRATED **B**AROMETER WITH BAROGRAPH

- UP TO **6** BATTERY BANKS
- UP TO **6** ADDITIONAL BATTERY VOLTAGES
- UP TO **20** CONSUMERS OR GENERATORS
- UP TO **14** TANK MODULES
- UP TO **8** TEMPERATURES

- 1** BATTERY BANK
- 1** ADDITIONAL BATTERY VOLTAGE
- UP TO **2** TANK SENSORS
- UP TO **2** TEMPERATURES



SIMARINE

# PICO<sup>+</sup>/PICO



## VARIATIONS



BLACK PANEL-MOUNT



BLACK STAND-ALONE



SILVER PANEL-MOUNT



SILVER STAND-ALONE

## SIMARINE PICO<sup>+</sup>/PICO

SIMARINE PICO sets new standards for marine battery and tank monitors in fields of design, functionality, connectivity and ease of use.

The IP67 casing of the main unit is CNC-milled from a single piece of high quality 6000 series anodized aluminium (corrosion-proof). The 3.5" inch IPS LCD display is optically bonded with Anti-Reflective Gorilla Glass®.

Our unique Real Time Battery Health™ algorithm ensures very precise battery state of charge and health measurements.

### GENERAL SPECIFICATION:

#### Display

LCD TFT 3,5" High resolution IPS, Gorilla Glass, anti-reflective coating

#### Human interface

4 Touch buttons, water resistant

#### Enclosure

CNC-milled anodized aluminum, water- and dustproof

#### Dimensions

HxWxD 98 x 84 x 11 mm

### TECHNICAL SPECIFICATIONS

Operating voltage	6 - 35 V
<b>Power consumption at 12V</b>	
Operating, wifi on, 100% illumination	90 mA
Operating, wifi off, 70% illumination	35 mA
Stand by, wifi off, 0% illumination	18 mA
Power off, logger still active	5 mA



SIMARINE

# SC502T

HIGH PRECISION COMBO ACTIVE DIGITAL SHUNT  
SKU: S006



## CONNECTION POSSIBILITIES

### BATTERY BANKS



SERVICE



STARTER

### GENERATORS



SHORE POWER



SOLAR PANELS

### CONSUMERS



INVERTER



BOW THRUSTER



STERN THRUSTER



ELECTRIC WINCH

### TANK LEVELS



FUEL



FRESH WATER



GREY WATER

### TEMPERATURE SENSORS



RESISTANCE

## SIMARINE SC302T

High precision SC502T combo active shunt can monitor currents up to 500A on 12V, 24V, 48V, 60V and 72V systems.

Up to six shunts can be used to monitor up to six battery banks on a PICO system.

**3-YEAR LIMITED WARRANTY**

### MAXIMUM CONNECTIONS per one SC502T

**1x** CURRENT INPUT UP TO **500A**

**2x** VOLTAGE INPUTS

**2x** TANK / TEMPERATURE INPUTS

### TECHNICAL SPECIFICATION

#### Operation

Voltage range	6 - 35 V
Temperature range	-20 - +70 °C
Power consumption at 12V	0,8 mA
Range	0,02 - 600 A
Accuracy	± 0,6 %
Resolution	0,02 A
Sampling rate	100 ms

#### Maximal Current

Continuous	500 A
Peak current ( <1min )	800 A

#### Voltage measuring

Range	0 - 75 V
Accuracy	± 0,2 %
Resolution	1 mV

#### Resistance/NTC 10K Temp. inputs 2

Range	0 Ω - 65 kΩ
Accuracy	± 3,0 %
Range	-15 - +80 °C
Accuracy	3% (-10 -+60 °C )

Connection	M 10 bolts
<b>SiCOM connectors</b>	<b>2</b>



# SIMARINE SC302T

**HIGH PRECISION COMBO ACTIVE DIGITAL SHUNT**  
SKU: S005

## CONNECTION POSSIBILITIES

### BATTERY BANKS



SERVICE



STARTER

### GENERATORS



SHORE POWER



SOLAR PANELS

### CONSUMERS



INVERTER



BOW THRUSTER



STERN THRUSTER



ELECTRIC WINCH

### TANK LEVELS



FUEL



FRESH WATER



GREY WATER

### TEMPERATURE SENSORS



RESISTANCE



## SIMARINE SC302T

High precision SC302T combo active shunt can monitor currents up to 300A on 12V, 24V, 48V, 60V and 72V systems.

Up to six shunts can be used to monitor up to six battery banks on a PICO system.

**3-YEAR LIMITED WARRANTY**

**MAXIMUM CONNECTIONS per one SC302T**

**1x** CURRENT INPUT UP TO **300A**

**2x** VOLTAGE INPUTS

**2x** TANK / TEMPERATURE INPUTS

### TECHNICAL SPECIFICATION

#### Operation

Voltage range	6 - 35 V
Temperature range	-20 - +70 °C
Power consumption at 12V	0,8 mA
Range	0,01 - 320 A
Accuracy	± 0,6 %
Resolution	0,01 A
Sampling rate	100 ms

#### Maximal Current

Continuous	300 A
Peak current ( <1min )	400 A

#### Voltage measuring

Range	0 - 75 V
Accuracy	± 0,2 %
Resolution	1 mV

#### Resistance/NTC 10K Temp. inputs 2

Range	0 Ω - 65 kΩ
Accuracy	± 3,0 %
Range	-15 - +80 °C
Accuracy	3% (-10 -+60 °C )

Connection	M 10 bolts
<b>SiCOM connectors</b>	<b>2</b>



# SIMARINE SC501

**HIGH PRECISION ACTIVE DIGITAL SHUNT**  
SKU: S008

## CONNECTION POSSIBILITIES

### BATTERY BANKS



SERVICE



THRUSTER



STARTER

### CONSUMERS



INVERTER



BOW THRUSTER



STERN THRUSTER



ELECTRIC WINCH

### GENERATORS



SHORE POWER



SOLAR PANELS



## SIMARINE SC501

High precision SC501 active digital shunt can monitor currents up to 500A on 12V, 24V, 48V, 60V and 72V systems.

Up to six shunts can be used to monitor up to six battery banks on a PICO system.

**3-YEAR LIMITED WARRANTY**

**MAXIMUM CONNECTIONS per one SC501**

**1x** CURRENT INPUT UP TO **500A**

**2x** VOLTAGE INPUTS

**1x** TEMPERATURE INPUT

### TECHNICAL SPECIFICATION

#### Operation

Voltage range	6 - 35 V
Temperature range	-20 - +70 °C
Power consumption at 12V	0,8 mA
Range	0,02 - 600 A
Accuracy	± 0,6 %
Resolution	0,02 A
Sampling rate	100 ms

#### Maximal Current

Continuous	500 A
Peak current ( <1min )	800 A

#### Voltage measuring

Range	0 - 75 V
Accuracy	± 0,2 %
Resolution	1 mV

#### NTC 10K Temp. input

Range	-15 - +80 °C
Accuracy	3% (-10 -+60 °C )
Range	500 Ω - 65 kΩ

Connection	M 10 bolts
<b>SiCOM connectors</b>	<b>2</b>



# SIMARINE SC301

**HIGH PRECISION ACTIVE DIGITAL SHUNT**  
SKU: S007

## CONNECTION POSSIBILITIES

### BATTERY BANKS



SERVICE



THRUSTER



STARTER

### CONSUMERS



INVERTER



BOW THRUSTER



STERN THRUSTER



ELECTRIC WINCH

### GENERATORS



SHORE POWER



SOLAR PANELS



## SIMARINE SC301

High precision SC301 active digital shunt can monitor currents up to 300A on 12V, 24V, 48V, 60V and 72V systems.

Up to six shunts can be used to monitor up to six battery banks on a PICO system.

**3-YEAR LIMITED WARRANTY**

**MAXIMUM CONNECTIONS per one SC301**

**1x** CURRENT INPUT UP TO **300A**

**2x** VOLTAGE INPUTS

**1x** TEMPERATURE INPUT

### TECHNICAL SPECIFICATION

#### Operation

Voltage range	6 - 35 V
Temperature range	-20 - +70 °C
Power consumption at 12V	0,8 mA
Range	0,01 - 320 A
Accuracy	± 0,6 %
Resolution	0,01 A
Sampling rate	100 ms

#### Maximal Current

Continuous	300 A
Peak current ( <1min )	400 A

#### Voltage measuring

Range	0 - 75 V
Accuracy	± 0,2 %
Resolution	1 mV

#### NTC 10K Temp. input

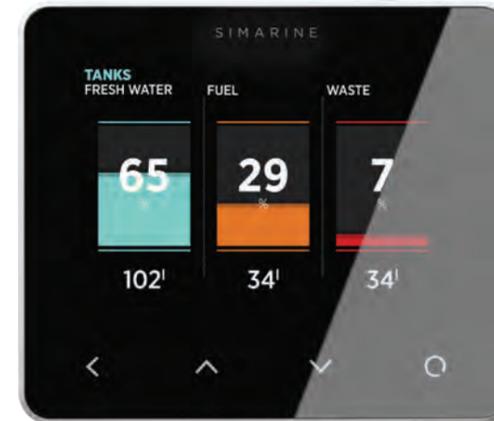
Range	-15 - +80 °C
Accuracy	3% (-10 -+60 °C )
Range	500 Ω - 65 kΩ

Connection	M 10 bolts
<b>SiCOM connectors</b>	<b>2</b>



# SIMARINE ST107

**TANK LEVEL, BATTERY VOLTAGE and TEMPERATURE MODULE**  
SKU: T001



## CONNECTION POSSIBILITIES

### TANK LEVELS



FUEL



FRESH WATER



GREY WATER



BLACK WATER

### TANK LEVEL SENSORS



RESISTANCE



VOLTAGE



ULTRASONIC

### TEMPERATURE SENSORS



RESISTANCE

### BATTERY VOLTAGES



STARTER



THRUSTER

## SIMARINE ST107

Highly versatile digital module for monitoring up to **7 tank levels**, **3 battery voltages** and **4 temperatures**.

Up to three ST107 modules can be connected to a PICO system.

**3-YEAR LIMITED WARRANTY**

**MAXIMUM CONNECTIONS per one ST107**

**3X** VOLTAGE INPUTS

**4X** RESISTANCE INPUTS

**1X** RELAY OUTPUT

### TECHNICAL SPECIFICATION

**Operating**  
Voltage range 6 - 35 V  
Temperature range -20 - +70 °C  
Power cons. at 12V 2,5 mA

**Voltage inputs 3**  
Range 0 - 35 V  
Resolution 1 mV  
Accuracy ± 0,2 %  
Sampling rate 100 ms

**Resistance/NTC 10K Temp. inputs 4**  
Range 0 Ω - 65 kΩ  
Accuracy ± 3,0 %  
Calibration points 11

**Relay Output 50V, 1A**

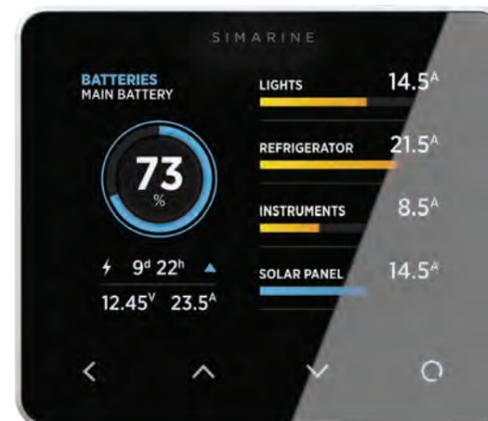
**SiCOM connectors 2**



# SIMARINE SCQ25

QUADRO DIGITAL SHUNT MODULE  
SKU: S003

## CONNECTION POSSIBILITIES



### CONSUMER DEVICES



REFRIGERATOR



FREEZER



INSTRUMENTS



LIGHTS

### GENERATORS



SOLAR PANELS



SHORE POWER



WIND GENERATOR



HYDRO GENERATOR

## SIMARINE SCQ25

Highly versatile digital shunt module for monitoring **consumer devices and/or generators** up to 25A current per channel.

The channels can be combined to reach higher amperage if necessary.

Up to four SCQ25/SCQ25T modules can be connected to a PICO system.

### 3-YEAR LIMITED WARRANTY

### MAXIMUM CONNECTIONS per one SCQ25

UP TO **4** CONSUMER DEVICES

UP TO **4** GENERATORS

**1x** RELAY OUTPUT

### TECHNICAL SPECIFICATION

<b>Operating</b>	
Voltage range	6 - 35 V
Temperature range	-20 - +70 °C
Power cons. at 12V	3,5 mA

<b>Current monitoring channels</b>	<b>4</b>
Range	0,01 - 50 A
Accuracy	± 0,6 %
Resolution	0,01 A
Sampling rate	100 ms
Maximal continuous current	25 A
Peak current (<1 min)	35 A
Peak current (<5 sec)	50 A
Voltage drop at 25 A	35 mV
Max. voltage on connections	35 V

**Relay Output** 50V, 1A

**SiCOM connectors** 2

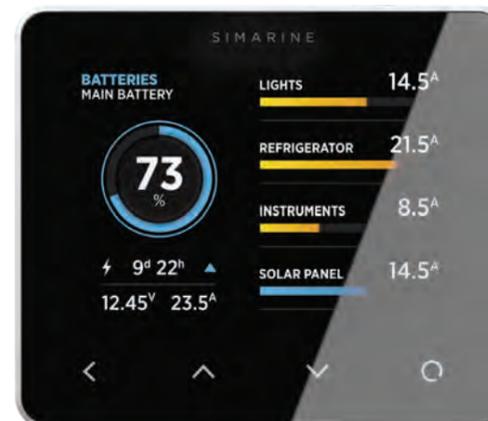


SIMARINE

# SCQ25T

**QUADRO DIGITAL SHUNT, TANK LEVEL, BATTERY VOLTAGE and TEMPERATURE MODULE**  
SKU: S004

## CONNECTION POSSIBILITIES



## SIMARINE SCQ25T

Highly versatile digital shunt module for monitoring **consumer devices and/or generators** up to 25A current per channel.

The channels can be combined to reach higher amperage if necessary.

Additionally, the SCQ25T allows monitoring **7 tank levels, 3 battery voltages** and **4 temperatures**.

Up to four SCQ25/SCQ25T modules can be connected to a PICO system.

**3-YEAR LIMITED WARRANTY**

**MAXIMUM CONNECTIONS per one SCQ25T**

UP TO **4X** CONSUMER DEVICES

UP TO **4X** GENERATORS

**3X** VOLTAGE INPUTS

**4X** RESISTANCE INPUTS

**1X** RELAY OUTPUT

### CONSUMER DEVICES



REFRIGERATOR



FREEZER



INSTRUMENTS



LIGHTS

### GENERATORS



SOLAR PANELS



SHORE POWER



WIND GENERATOR



HYDRO GENERATOR



# SIMARINE SCQ25T

**QUADRO DIGITAL SHUNT, TANK LEVEL,  
BATTERY VOLTAGE and TEMPERATURE MODULE**  
SKU: S004

## CONNECTION POSSIBILITIES



### TANK LEVELS



FUEL



FRESH WATER



GREY WATER



BLACK WATER

### TANK LEVEL SENSORS



RESISTANCE



VOLTAGE



ULTRASONIC

### TEMPERATURE SENSORS



RESISTANCE

### BATTERY VOLTAGES



STARTER



THRUSTER

## SIMARINE SCQ25T

### TECHNICAL SPECIFICATION

**Operating**  
Voltage range 6 - 35 V  
Temperature range -20 - +70 °C  
Power cons. at 12V 3,5 mA

**Current monitoring channels 4**  
Range 0,01 - 50 A  
Accuracy ± 0,6 %  
Resolution 0,01 A  
Sampling rate 100 ms  
Maximal continuous current 25 A  
Peak current (<1 min) 35 A  
Peak current (<5 sec) 50 A  
Voltage drop at 25 A 35 mV  
Max. voltage on connections 35 V

**Operating**  
Voltage range 6 - 35 V  
Temperature range -20 - +70 °C  
Power cons. at 12V 2,5 mA

**Voltage inputs 4**  
Range 0 - 35 V  
Resolution 1 mV  
Accuracy ± 0,2 %  
Sampling rate 100 ms

**Resistance/NTC 10K Temp. inputs 4**  
Range 0 Ω - 65 kΩ  
Accuracy ± 3,0 %  
Calibration points 11

**Relay Output** 50V, 1A

**SiCOM connectors** 2



S I M A R I N E

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