



SIMARINE

DAME
NOMINATED
2016

METSTRADE AMSTERDAM



2018
PRODUCT PORTFOLIO

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

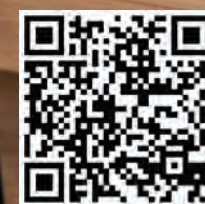
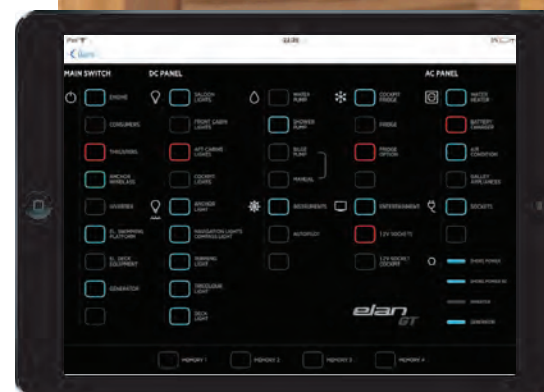
Low Power Consumption - < 200mA

STANDARD INSTALLATION IN PREMIUM YACHT

elan
GT5



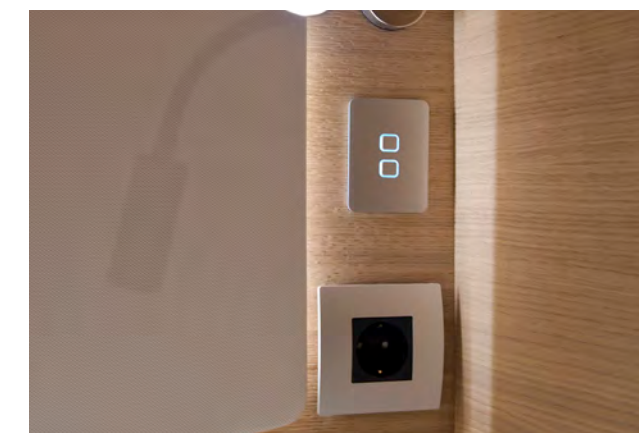
DAME
CATEGORY
WINNER 2017
METSTRADE AMSTERDAM



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⁺/PICO



VARIATIONS



BLACK PANEL-MOUNT



BLACK STAND-ALONE



SILVER PANEL-MOUNT



SILVER STAND-ALONE

SIMARINE PICO⁺/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
Power consumption at 12V	
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
SiCOM connectors	2



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
SiCOM connectors	2



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
SiCOM connectors	2



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
SiCOM connectors	2



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

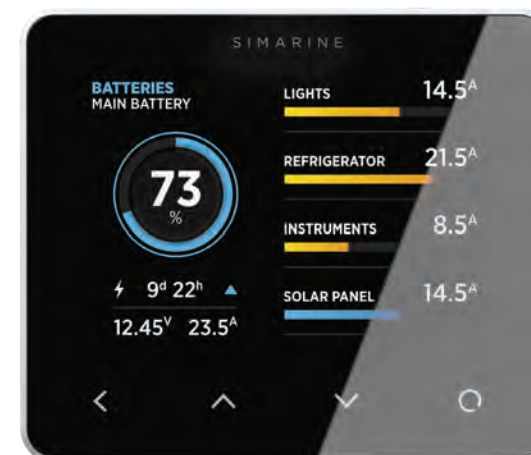
SiCOM connectors 2



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

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

Relay Output 50V, 1A

SiCOM connectors 2

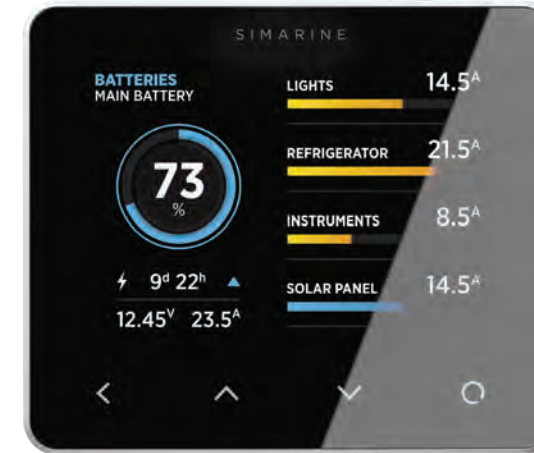


SIMARINE

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

CONSUMER DEVICES



REFRIGERATOR



FREEZER



INSTRUMENTS



LIGHTS

GENERATORS



SOLAR PANELS



SHORE POWER



WIND GENERATOR



HYDRO GENERATOR

UP TO **4X** CONSUMER DEVICES

UP TO **4X** GENERATORS

3X VOLTAGE INPUTS

4X RESISTANCE INPUTS

1X RELAY OUTPUT



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



SIMARINE



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