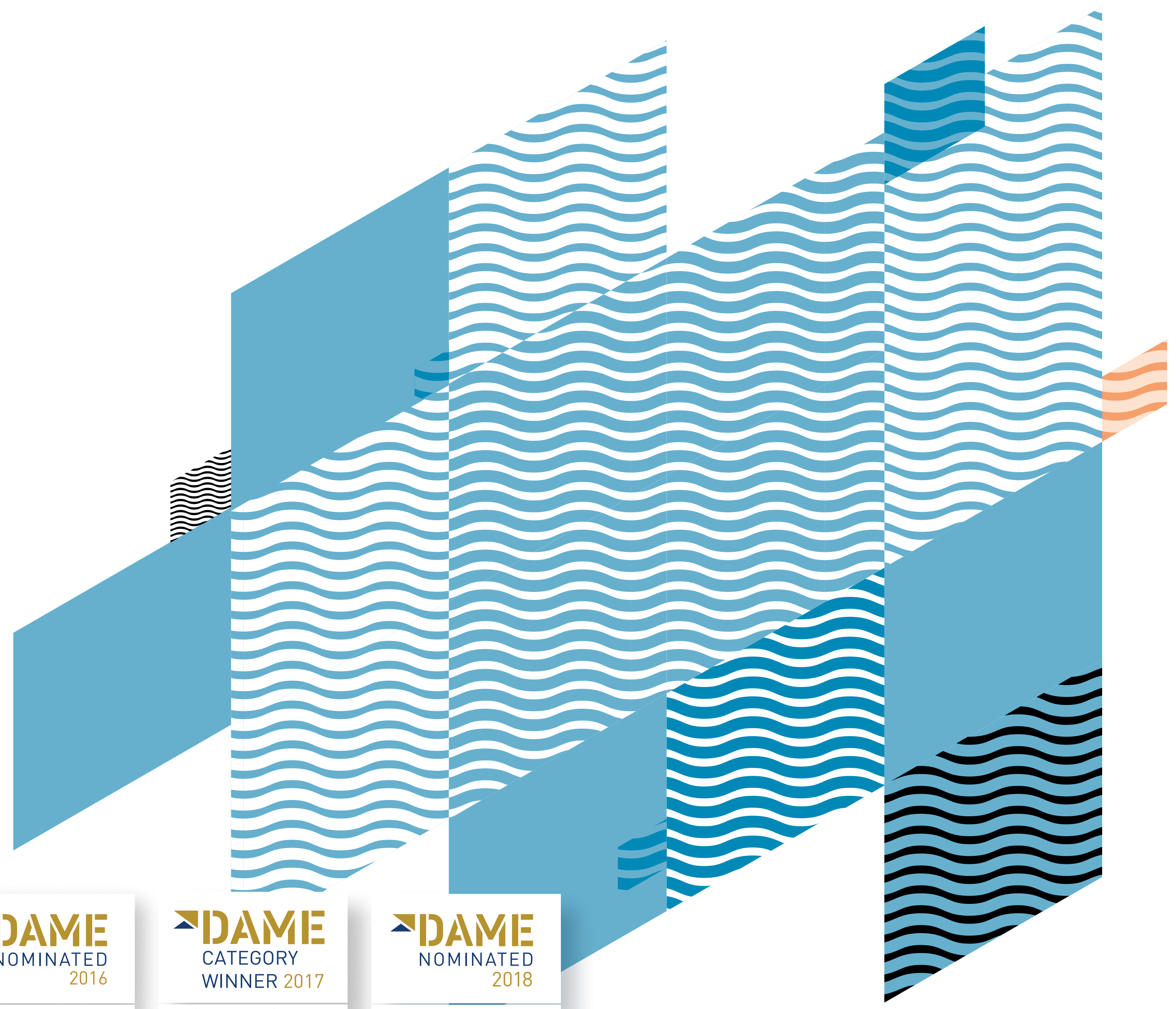




SIMARINE



2019 PRODUCT PORTFOLIO



DAME
NOMINATED
2016
METSTRADE AMSTERDAM

DAME
CATEGORY
WINNER 2017
METSTRADE AMSTERDAM

DAME
NOMINATED
2018
METSTRADE AMSTERDAM



Insight on Seaside.



SIMARINE is a young company run by an enthusiastic team developing and producing advanced marine and caravan electronic devices.

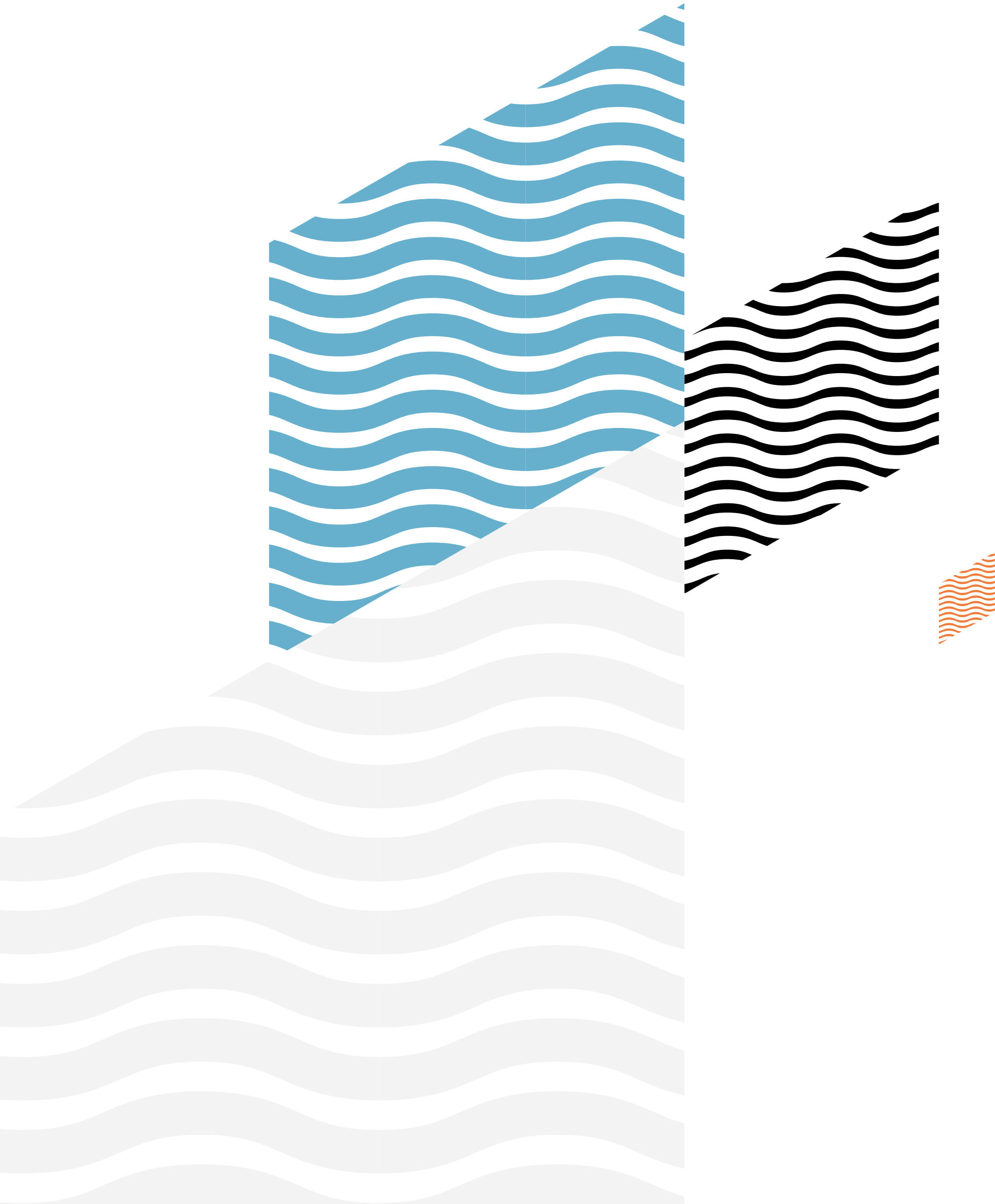
We try to set new standards in fields of design, functionality, connectivity, and ease of use.

Our goal is very simple - to bring instruments closer to the users. All of our products are designed with that in mind.

We truly believe that good instruments should benefit the users instead of making them study the user manuals for countless hours. **There are much better things to do in life.**



SIMARINE



PICO SMART MONITORING SYSTEM

PICO



SIMARINE



Battery monitor with
Real-Time Battery Health™

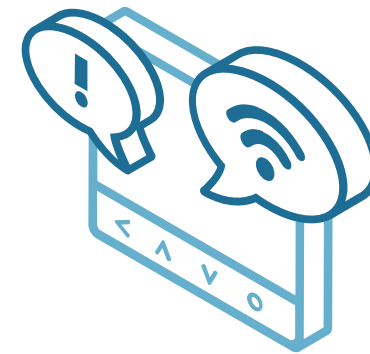


PICO



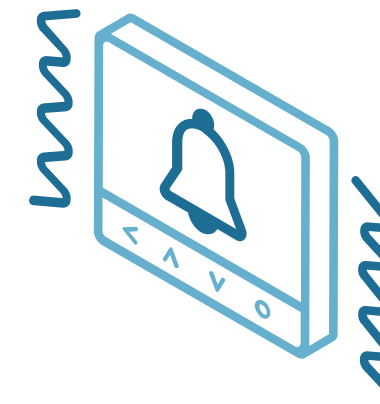
REDEFINING SMART BATTERY MONITORS

From stem to stern - the ultimate battery monitoring solution for your boat. Real-Time Battery Health™ Algorithm ensures to measure and analyze your battery condition in order to give you the correct status about your battery health.



Mobile

Access battery information from anywhere with our mobile app



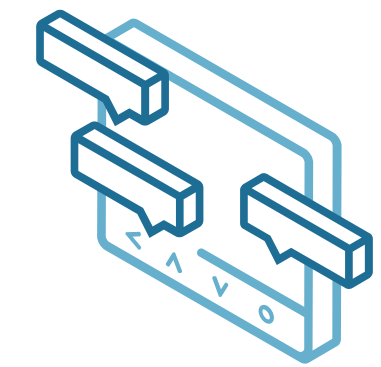
Alerts

Prolong your boat battery life with smart charging alerts



Monitoring

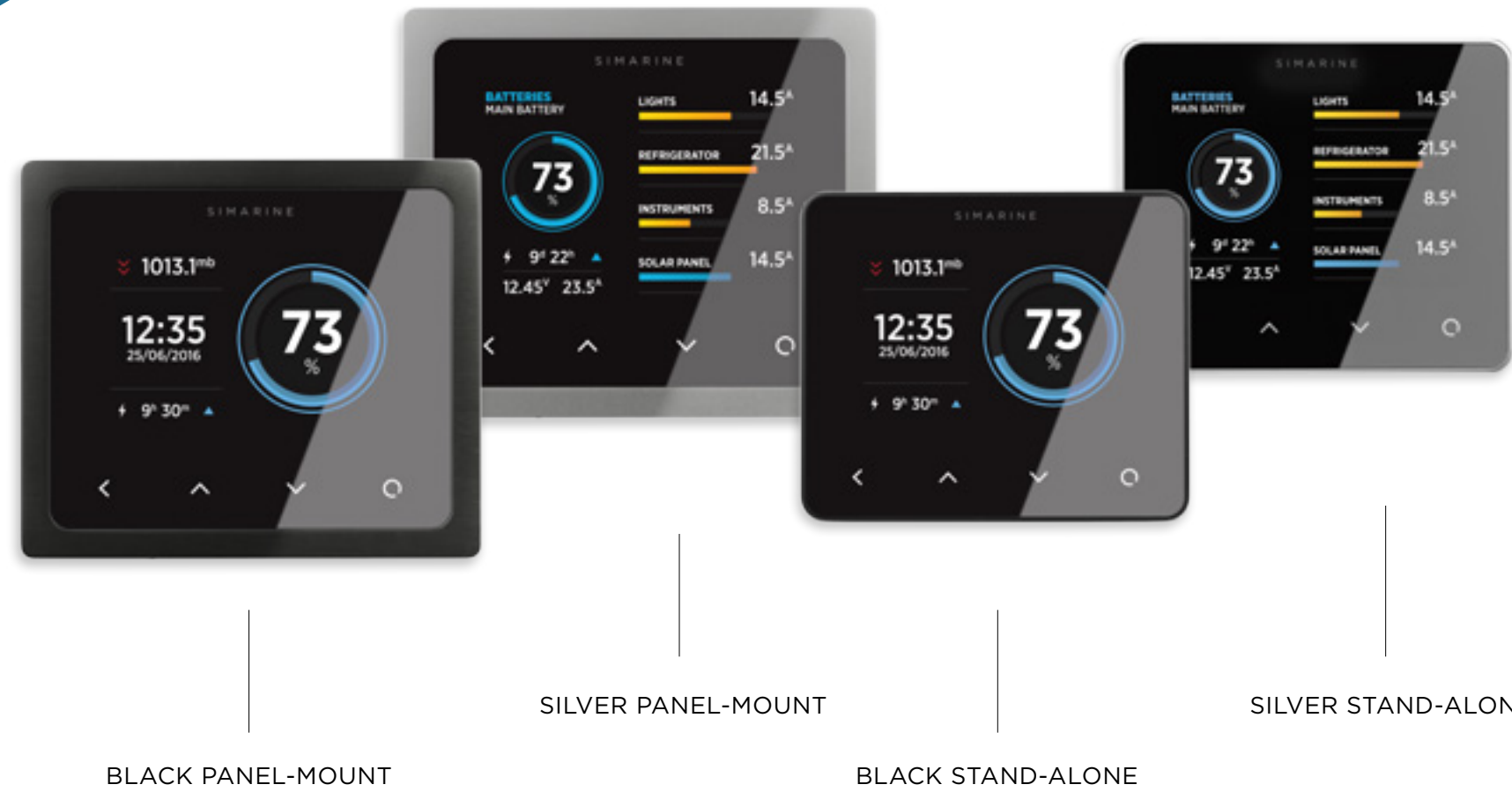
Monitor your temperature, charging, percentage and time of battery remaining



Modularity

Measure up to 7 tanks and up to 4 batteries

PICO



Smart battery monitoring system

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.

FEATURES

DISPLAY

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

HUMAN INTERFACE

- 4 Touch buttons
- Water resistant

ENCLOSURE

- CNC-milled anodized aluminium
- Water- and dustproof

DIMENSIONS

- HxWxD 98 x 84 x 11 mm

SPECIFICATION

Operating voltage 6 - 35 V

POWER CONSUMPTION AT 12V

Operating, wifi on, 100% illumination 90 mA

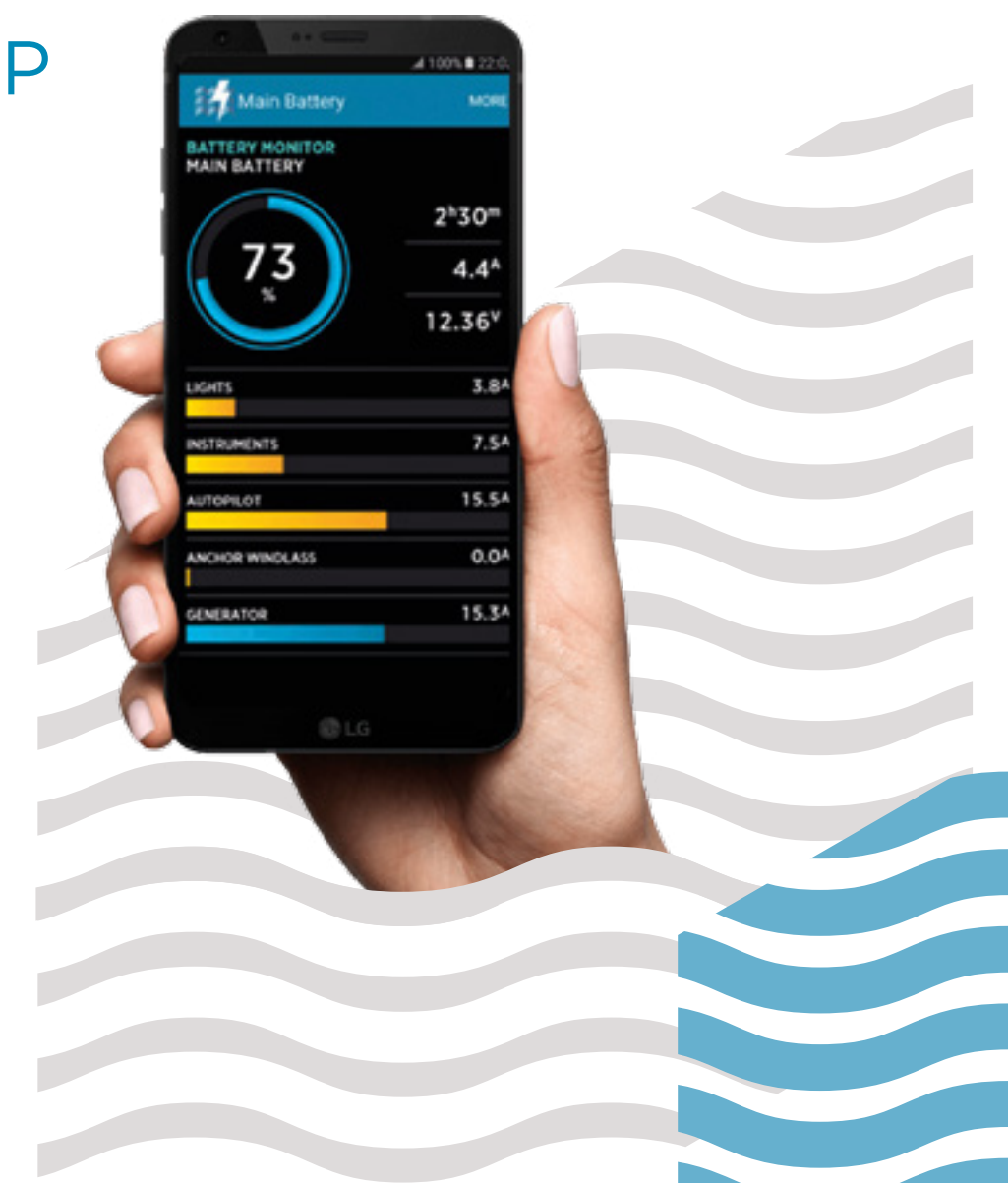
Operating, wifi off, 70% illumination 35 mA

Stand by, wifi off, 0% illumination 18 mA

Power off, logger still active 5 mA

SIMARINE APP

Control the system with Android & iOS



PICO

PICO

SMART BATTERY
MONITORING SYSTEM



TARGET
MARKET
SEGMENTS

MARINE
CARAVANS
RECREATION VEHICLES

COMMERCIAL VEHICLES
COMMUNICATIONS
SOLAR

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 barometer with barograph



SIMARINE








EQUIPMENT SIMARINE SHUNTS AND MODULES



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



6/6

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

3-YEAR
LIMITED
WARRANTY

FEATURES

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

CONNECTIONS

1x CURRENT INPUT UP TO 500A
2x VOLTAGE INPUTS
2x TANK / TEMPERATURE INPUTS

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

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

CONNECTION	M 10 BOLTS
SICOM CONNECTORS	2



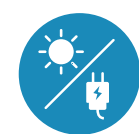
SC302T

HIGH PRECISION COMBO
ACTIVE DIGITAL SHUNT
SKU: S005



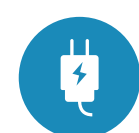
BATTERY BANKS

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

CONNECTION POSSIBILITIES:

6/6

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

3-YEAR

LIMITED WARRANTY

FEATURES

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

CONNECTIONS

1x CURRENT INPUT UP TO 300A
2x VOLTAGE INPUTS
2x TANK / TEMPERATURE INPUTS

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

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

CONNECTION	M 10 BOLTS
SICOM CONNECTORS	2

SC501

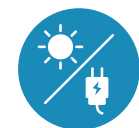
HIGH PRECISION
ACTIVE DIGITAL
SHUNT
SKU: S008



BATTERY BANKS

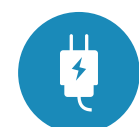
CONNECTION POSSIBILITIES:

Service starter
Thruster



GENERATORS

Shore power
Solar panels



CONSUMERS

Inverter
Bow thruster
Stern thruster
Electric winch

6/6

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

3-YEAR
LIMITED
WARRANTY

FEATURES

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

CONNECTIONS

1x CURRENT INPUT UP TO 500A
2x VOLTAGE INPUTS
1x TEMPERATURE INPUT

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

	1
Range	500 Ω - 65 kΩ
Accuracy	3% (-10 -+60 °C)
Range	-15 - +80 °C

CONNECTION	M 10 BOLTS
SICOM CONNECTORS	2

SC301

HIGH PRECISION
ACTIVE DIGITAL
SHUNT
SKU: S007



6/6

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

3-YEAR
LIMITED
WARRANTY

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

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

Connection M 10 bolts

SICOM CONNECTORS 2

FEATURES

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

CONNECTIONS

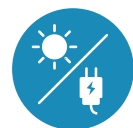
1x CURRENT INPUT UP TO 300A
2x VOLTAGE INPUTS
1x TEMPERATURE INPUT

CONNECTION POSSIBILITIES:



BATTERY BANKS

Service starter
Thruster



GENERATORS

Shore power
Solar panels

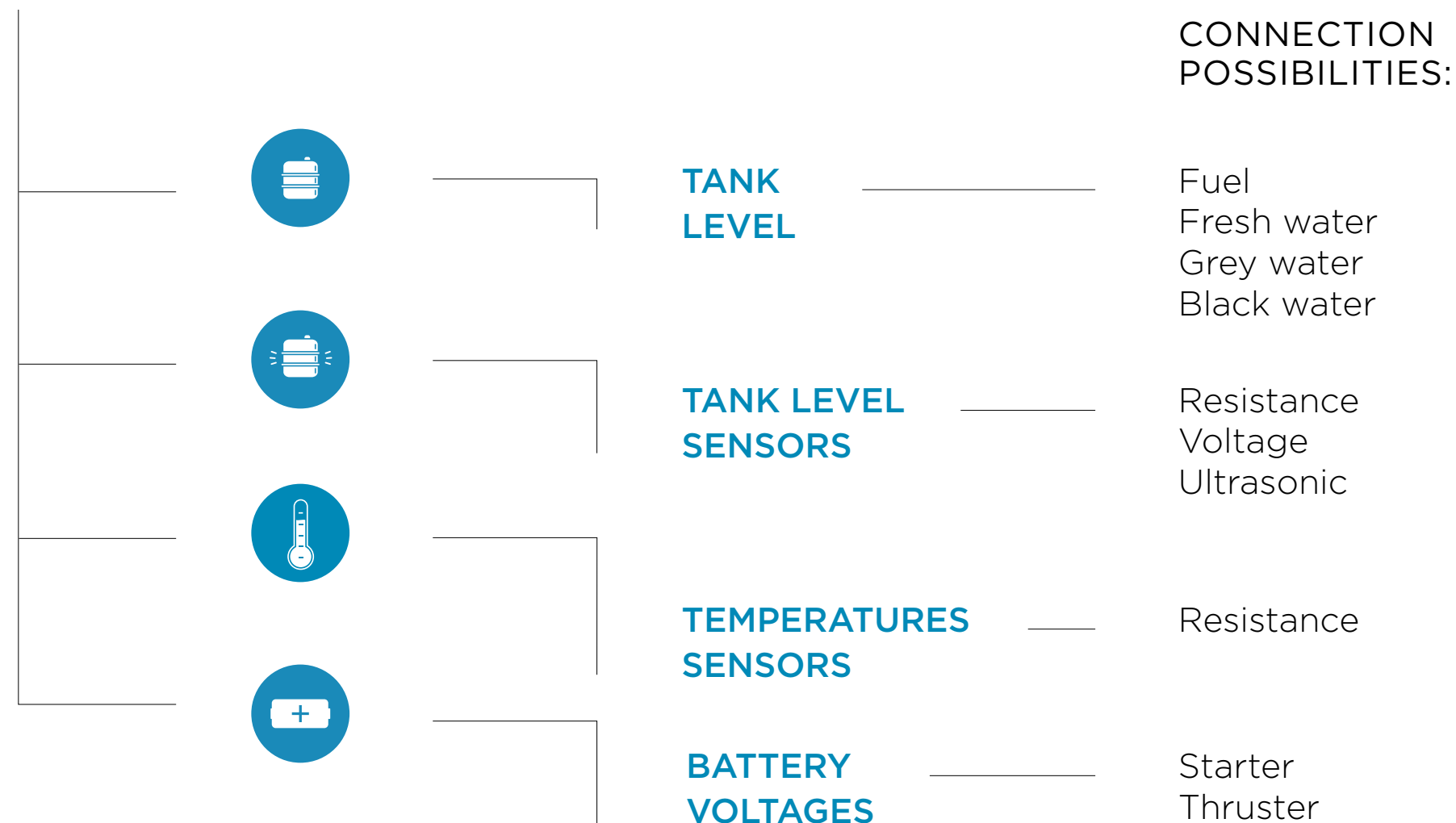
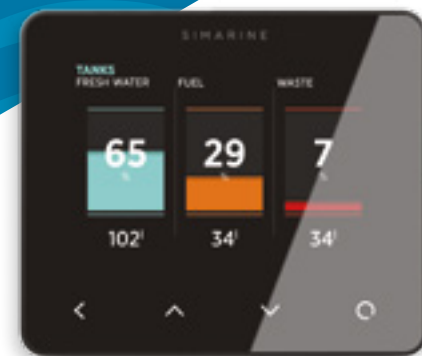


CONSUMERS

Inverter
Bow thruster
Stern thruster
Electric winch

ST107

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



7/3/4



ST107 allows monitoring up to 7 tank levels, 3 battery voltages and 4 temperatures.

3

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

3-YEAR
LIMITED
WARRANTY

FEATURES

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

CONNECTIONS

3x VOLTAGE INPUTS
4x RESISTANCE INPUTS
1x RELAY OUTPUT

SPECIFICATION

OPERATION

Voltage range	6 - 35 V
Temperature range	-20 - +70 °C
Power consumption at 12V	2,5 mA

VOLTAGE INPUTS

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

RESISTANCE/ NTC 10K TEMP. INPUTS

Range	0 Ω - 65 kΩ
Accuracy	± 3,0 %
Calibration points	11

RELAY OUTPUT

50V, 1A

SICOM CONNECTORS 2

SCQ25

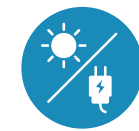
QUADRO DIGITAL
SHUNT MODULE
SKU: S003



CONSUMER DEVICES

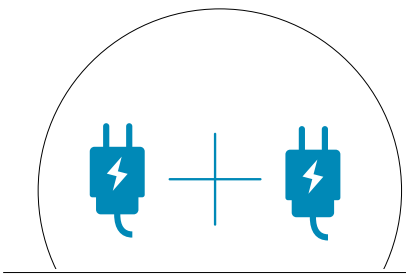
CONNECTION POSSIBILITIES:

Refrigerator
Freezer
Instruments
Lights

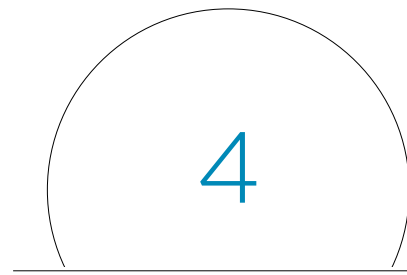


GENERATORS

Solar panels
Shore power
Wind generator
Hydro generator



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



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



FEATURES

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

CONNECTIONS

UP TO 4 CONSUMER DEVICES
UP TO 4 GENERATORS
1x RELAY OUTPUT

SPECIFICATION

OPERATION

Voltage range	6 - 35 V
Temperature range	-20 - +70 °C
Power consumption at 12V	3,5 mA

CURRENT MONITORING CHANNELS

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

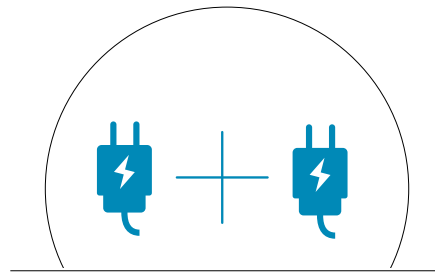
SICOM CONNECTORS 2

SCQ25T

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



3-YEAR
LIMITED
WARRANTY



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

4

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

7/3/4





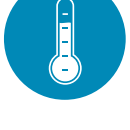



SCQ25T allows monitoring 7 tank levels, 3 battery voltages and 4 temperatures.

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

CONNECTION POSSIBILITIES:

-  **CONSUMER DEVICES** — Refrigerator
Freezer
Instruments
Lights
-  **GENERATORS** — Solar panels
Shore power
Wind generator
Hydro generator
-  **TANK LEVELS** — Fuel
Fresh water
Grey water
Black water
-  **TANK LEVEL SENSORS** — Resistance
Voltage
Ultrasonic
-  **TEMPERATURES SENSORS** — Resistance
-  **BATTERY VOLTAGES** — Starter
Thruster

FEATURES

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

CONNECTIONS

UP TO 4x CONSUMER DEVICES
UP TO 4x GENERATORS
3x VOLTAGE INPUTS
4x RESISTANCE INPUTS
1x RELAY OUTPUT

ACCESSORIES



PICO COVER



BLUE AND BLACK COVER

EXTENSION DATA CABLE 8m



TEMPERATURE SENSORS CABLES
1M AND 5M CABLES





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