

SANGIORGIO S.E.I.N.

MARINE INSTRUMENTS AND AUTOMATION

PASSION FOR TECHNOLOGY

Designed and made in Italy

LEARN MORE
sangiorgiosein.com

The products and technical specifications are the latest available and are subject to change without notice.
The information in this catalogue is drawn up in good faith; we decline any responsibility for the use of the data contained herein.

26/11

26/11

Contents

Multifunction display	7” ADVANCED display	10
	7” PLUS display	11
	5” COMPACT display	12
	4,3” MINI display	13
Modules & converters	Monitoring and control unit	19
	Inputs / outputs expansion	21
NMEA2000 converters	Twin / single engine converters	25
	NMEA2000 cables	27
Smart converters	Smart Gateway / Smart Drive	31
OmniLink line	NMEA2000	33
	Gateway	35
	Navigation systems	36
Engine panels	Engine control panels	39
	Accessories	41
VSG line	Instruments	43
	Temperature / Pressure sensors	44
Rudder instrumentation	Instruments / Sensors	49
Flap / Trim instrumentation	Instruments / Sensors	55
Level sensors	VSG level sensors	59
	TIL level sensors	62
	NMEA2000 / 4-20mA sensors	64
	Pressure sensors	68
Level switches	Level switches / Bilge	71
Fuel consumption	Instruments / Sensors	75
Navigation instrumentation	Instruments / Sensors	77
Professional line	Instruments	83
	Propeller revolution systems	85
Fire detection systems	Fire control unit / Sensors	87

COMPANY

SAN GIORGIO S.E.I.N. designs and manufactures sensors, instruments and automation systems for pleasure and professional naval applications, always looking for the most advanced performance and quality standards. Its wide range of products includes fire alarm systems, tank levels, rudder/trim angle indicators, special OEM instruments and integrated monitoring systems RINA / SOLAS MED approved.

1960

SAN GIORGIO S.E.I.N. was founded in Genoa in 1960. Viking and Apollo were the world's first lines of waterproof marine electronic instruments.

1970

The product range is expanded with the first capacitive and reed level sensors on the market and new exhaust gas temperature and engine monitoring control units.

1980

Thanks to the know-how it is chosen by Veglia Borletti as partner for the development and production of the "Seagull" VSG marine instrument line for the pleasure yacht market.

1990

First integrated monitoring system UNS for naval application equipped with microprocessor technology presented at Genoa Boat Show.

2000

First marine HTML5 interface multifunction display with J1939 and NMEA2000 protocol support.

2008

First line of OmniLink marine analogue gauges with Direct Digital stepper technology.

2016

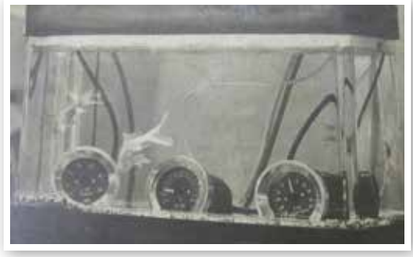
We present the new 7" compact and advanced monitoring and control system. Outstanding performance, new display and a wide selection of inputs and outputs.

Today

Partner of leading shipyards and engine manufacturers. With the same passion of the last sixty years we design for you the most advanced instrumentation and automation systems to meet latest interface and certification requirements.



1960 | Booth at the first Genoa Boat Show



1969 | First line of waterproof naval instruments



1990 | First integrated monitoring system



2000 | Monitoring and control systems line

Research & Development - Testing laboratory

Since 2019 an internal testing laboratory is available for:

- Complete EMC tests including radiated emission and immunity with GTEM, surge, burst, ESD
- Environmental and salt spray tests with climatic chambers
- Automotive ISO tests





Production & Control

Internal electronic PCB production, control and functional tests with:

- Dual automatic PCB SMT machines
- Automatic optical inspection (AOI)
- Microscope and X-Ray for intra layer pcb inspection
- Fully automated electronic and functional testing



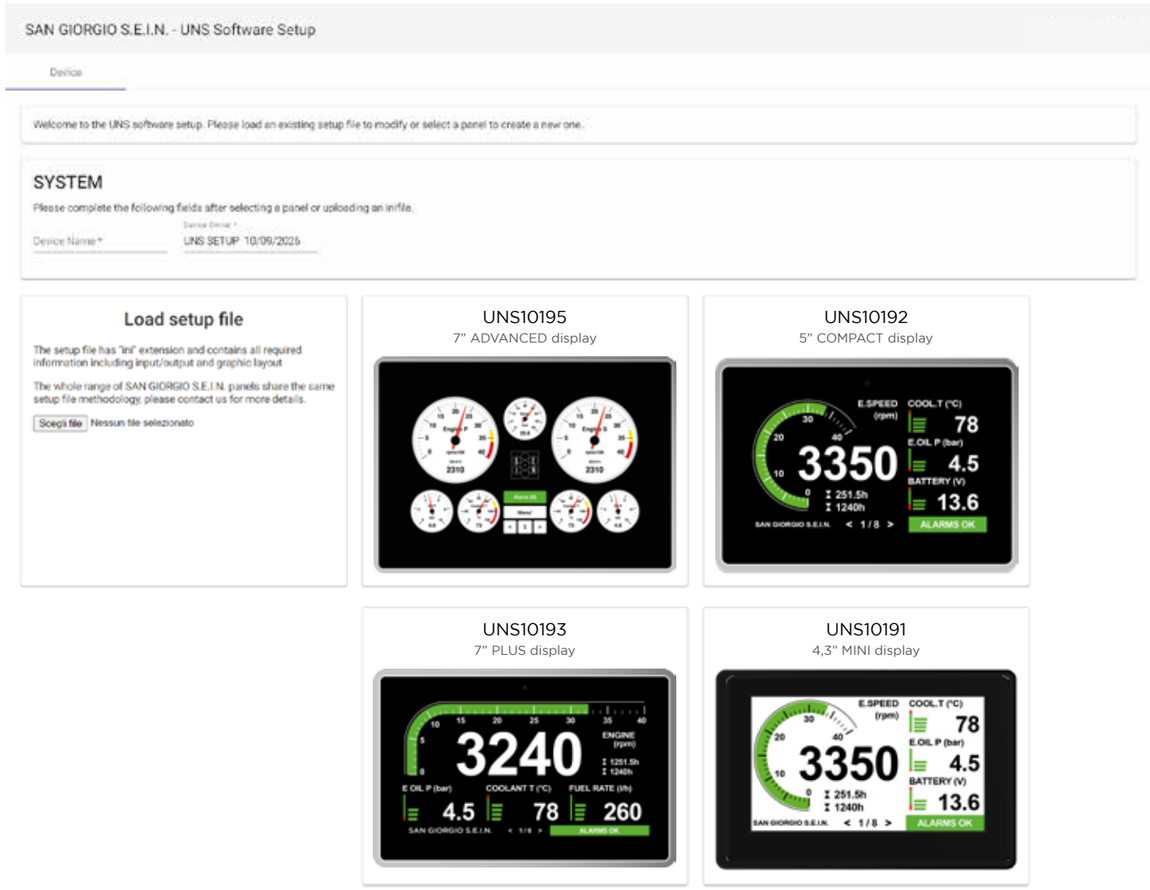




UNS programming interface

All UNS line monitoring and control panels share the same programming interface and can be updated using a USB flash drive. An optional web tool and simulator are available for advanced users that wish to learn more about some panel customization.

Tutti i pannelli di monitoraggio e controllo della famiglia UNS condividono la stessa modalità di programmazione e possono essere aggiornati tramite una chiavetta USB. Uno strumento web ed un simulatore software opzionale consentono agli utenti avanzati di imparare a personalizzare alcune funzioni dei pannelli.



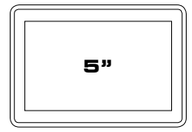
Multifunction display

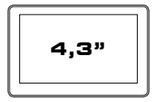
A complete range of monitoring systems designed to meet the needs of professional and pleasure boats. The available solutions are compatible with CAN Bus J1939 and NMEA2000 protocols, as well as analog sensors, ensuring configuration flexibility and easy integration into onboard instrumentation and control systems.





Technical features		
Code	UNS10195	UNS10193
Display size	7”	7”
Touch screen	Capacitive	Capacitive
Display resolution	800 x 480pixel	800 x 480pixel
Display brightness	1000cd	700cd, auto brightness
Display treatment	Optical bonding, anti reflective	Optical bonding
Dimension	200 x 143 x 76mm	188 x 123 x 69mm
Mounting hole	183 x 135mm	178 x 114mm
Inputs / Outputs	8 x Analog 0-300Ω 16 x Analog 0-10V / 4-20mA 8 x Analog NTC 0-100kΩ 8 x Analog thermocouple 8 x Analog 0-32V 8 x Relay outputs 3 x Frequency (W) 8 x Digital ON/OFF	(UNS10193) 4 x 0-300Ω / 4 x 0-32V (UNS10193/R1) 6 x 0-300Ω / 2 x 0-32V (UNS10193/R2) 2 x 0-300Ω / 6 x 0-32V (UNS10193/RE) 8 x 0-300Ω (UNS10193/20) 8 x 0-32V / 4-20mA 1 x Frequency (W) 5 x Digital inputs / outputs
Communication ports	4 x CAN Bus 1 x NMEA0183 2 x RS232 / 1 x RS485 1 x USB 1 x Ethernet	2 x CAN Bus 1 x NMEA0183 1 x RS485 1 x USB
Power supply	9-32V <1A	9-32V <1A
Environment	0 +55°C (-20 +70°C) / IP65	-20 +70°C / IP65
Weight	1160g	720g
Accessories	Display protection cover 4 x Mounting brackets	Display protection cover 2 x Mounting brackets
Mounting	Flush mounting	Flush mounting
Type approval	**RINA**	**RINA**





Technical features		
Code	UNS10192	UNS10191
Display size	5”	4,3”
Touch screen	Capacitive	Resistive
Display resolution	480 x 272pixel	480 x 272pixel
Display brightness	900cd, auto brightness	700cd
Display treatment	Optical bonding	
Dimension	144 x 100 x 69mm	118 x 78 x 32mm
Mounting hole	135 x 91mm	107 x 67mm
Inputs / Outputs	(UNS10192) 4 x 0-300Ω / 4 x 0-32V (UNS10192/R1) 6 x 0-300Ω / 2 x 0-32V (UNS10192/R2) 2 x 0-300Ω / 6 x 0-32V (UNS10192/RE) 8 x 0-300Ω (UNS10192/20) 8 x 0-32V / 4-20mA 1 x Frequency (W) 5 x Digital inputs / outputs	4 x Analog inputs 0-300Ω 2 Analog inputs x 0-32V 1 Analog input x 0-3V 1 x Frequency (W) 2 x Digital output
Communication ports	2 x CAN Bus 1 x NMEA0183 1 x RS485 1 x USB	1 x CAN Bus
Power supply	9-32V <1A	9-32V <500mA
Environment	-20 +70°C / IP65	-20 +70°C / IP64
Weight	440g	180g
Accessories	Display protection cover 2 x Mounting brackets	Display protection cover 2 x Mounting brackets
Mounting	Flush mounting	Flush mounting
Type approval	**RINA**	**RINA**

7” ADVANCED display

RINA APPROVED

UNS10195

Highest performance monitoring and control system designed to read up to four engines and board auxiliary functions. Four CAN Bus ports and a wide selection of inputs and outputs. Advanced datalogging and protocol gateway features.

Sistema di monitoraggio e controllo ad altissime prestazioni per la lettura fino a quattro motori e funzioni ausiliarie di bordo. Quattro porte CAN Bus ed un’ampia selezione di ingressi ed uscite. Funzionalità avanzate di registrazione dei dati e conversione dei protocolli di comunicazione.

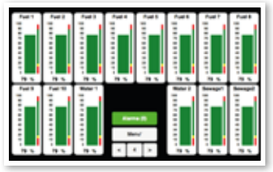


Built in NMEA2000 converter

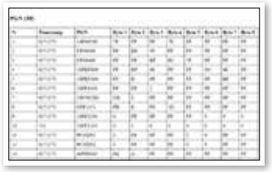
HTML inside



Engine monitoring
Monitoring up to four engines with day or night mode display



Level management
Level and bilge monitoring and automatic control



PGN management
High resolution datalogger and CAN Bus diagnostic



Custom applications
Custom HTML5 applications, tailored to your needs

Technical features

Display	7” TFT LCD, 800 x 480pixel, 1000cd, optical bonding, anti reflective
Touch screen	Capacitive
Dimension	200 x 143 x 76mm
Mounting hole	183 x 135mm
Inputs / Outputs	8 x Analog inputs 0-300Ω
	16 x Analog inputs 0-10V / 4-20mA
	8 x Analog inputs NTC 0-100KΩ with autorange
	8 x Analog thermocouple inputs
	8 x Analog inputs 0-32V
	3 x Frequency inputs (W)
	8 x Digital ON/OFF inputs, active to ground
	8 x Relay outputs, single contact max 500mA
Communication ports	4 x CAN Bus / 1 x Ethernet / 1 x USB / 1 x NMEA0183 / 2 x RS232 / 1 x RS485
Power supply	9-32V <1A
Environment	0 +55°C (-20 +70°C on demand) - IP65
Weight	1160g
Accessories	Display protection cover / 4 x Mounting brackets

Need more digital inputs or outputs? You can add one or more UNS10071 / UNS10072 expansion modules.
Need more analog inputs? You can add one or more UNS10081 expansion modules.

7” PLUS display

RINA APPROVED

UNS10193

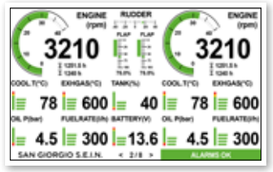
Smart monitoring and control system designed to read up to two engines and on board auxiliary functions. Two CAN Bus ports and a smart selection of inputs and outputs. New high brightness 7” display with automatic dimmer control.

Sistema avanzato di monitoraggio e controllo per la lettura fino a due motori e funzioni ausiliarie di bordo. Due porte CAN Bus ed una selezione intelligente di ingressi ed uscite. Nuovo schermo 7” ad alta luminosità e regolazione automatica.

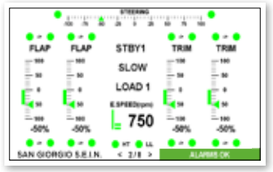


Built in NMEA2000 converter

Advanced DTC engine diagnostic



Engine monitoring
Monitoring up to two engines with CAN Bus or analog interface



Steering control
Custom development for steering monitoring and control



Level management
Fuel and bilge level monitoring and transfer control system



Wind monitoring
Wind speed and direction monitoring (apparent / real)

Technical features

Display	7” TFT LCD, 800 x 480pixel, 700cd, auto brightness, optical bonding
Touch screen	Capacitive
Dimension	188 x 123 x 69mm
Mounting hole	178 x 114mm
Frame	Grey satin anodized aluminum / Black satin anodized aluminum
Inputs / Outputs	4 x Analog 0-32V / 4 x Analog 0-300Ω (UNS10193)
	6 x Analog 0-32V / 2 x Analog 0-300Ω (UNS10193/R1)
	2 x Analog 0-32V / 6 x Analog 0-300Ω (UNS10193/R2)
	8 x Analog 0-300Ω (UNS10193/RE)
	8 x Analog 0-32V / 4-20mA (UNS10193/20)
	1 x Frequency input (W)
	5 x Digital inputs / outputs
Communication ports	2 x CAN Bus / 1 x NMEA0183 / 1 x RS485 / 1 x USB
Power supply	9-32V <1A
Environment	-20 +70°C / IP65
Weight	720g
Accessories	Display protection cover / 2 x Mounting brackets

Need more digital inputs or outputs? You can add one or more UNS10071 / UNS10072 expansion modules.
Need more analog inputs? You can add one or more UNS10081 expansion modules.

5” COMPACT display

RINA APPROVED

UNS10192

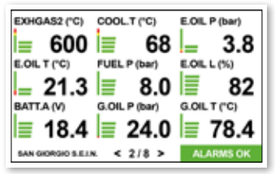
Compact monitoring and control system designed to read up to two engines and on board auxiliary functions. Two CAN Bus ports and a smart selection of inputs and outputs. New high brightness 5” display with automatic dimmer control.

Sistema avanzato di monitoraggio e controllo per la lettura fino a due motori e funzioni ausiliarie di bordo. Due porte CAN Bus ed una selezione intelligente di ingressi ed uscite. Nuovo schermo 5” ad alta luminosità e regolazione automatica.

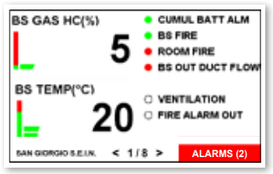


Built in NMEA2000 converter

Advanced DTC engine diagnostic



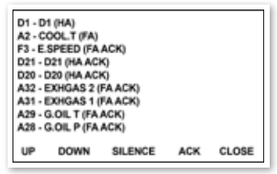
Engine monitoring
Engine monitoring reading conventional analog sensors and CAN Bus / NMEA2000



Battery monitoring
Battery temperature and gas monitoring with hybrid system interface



Steering control
Custom development for steering monitoring and control



Alarm monitoring
Engine diagnostic (DTC) and auxiliary system alarm monitoring

Technical features

Display	5” TFT LCD, 480 x 272pixel, 900cd, auto brightness, optical bonding
Touch screen	Capacitive
Dimension	144 x 100 x 69mm
Mounting hole	135 x 91mm
Frame	Grey satin anodized aluminum / Black satin anodized aluminum
Inputs / Outputs	4 x Analog 0-32V / 4 x Analog 0-300Ω (UNS10192) 6 x Analog 0-32V / 2 x Analog 0-300Ω (UNS10192/R1) 2 x Analog 0-32V / 6 x Analog 0-300Ω (UNS10192/R2) 8 x Analog 0-300Ω (UNS10192/RE) 8 x Analog 0-32V / 4-20mA (UNS10192/20) 1 x Frequency input (W) 5 x Digital inputs / outputs
Communication ports	2 x CAN Bus / 1 x NMEA0183 / 1 x RS485 / 1 x USB
Power supply	9-32V <1A
Environment	-20 +70°C / IP65
Weight	440g
Accessories	Display protection cover / 2 x Mounting brackets

Need more digital inputs or outputs? You can add one or more UNS10071 / UNS10072 expansion modules.
Need more analog inputs? You can add one or more UNS10081 expansion modules.

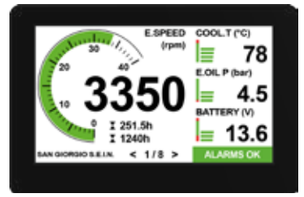
4,3” MINI display

RINA APPROVED

UNS10191

Compact monitoring and control display designed to read up to one engine and auxiliary functions. One CAN Bus port and a smart selection of inputs and outputs. High brightness 4,3” display with resistive touch screen.

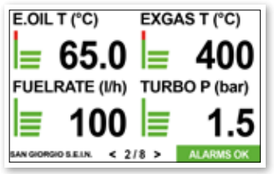
Sistema avanzato di monitoraggio e controllo per la lettura fino ad un motore e funzioni ausiliarie di bordo. Una porta CAN Bus ed una selezione intelligente di ingressi ed uscite. Schermo 4,3” ad alta luminosità con touch screen resistivo.



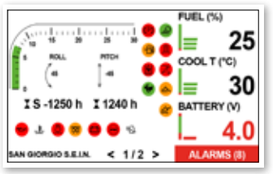
Advanced DTC engine diagnostic



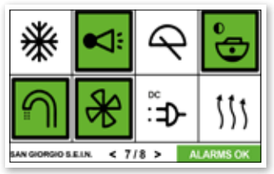
Engine monitoring
Monitoring up to one engine with CAN Bus or analog interface



Customizable pages
Example of a page with large digital indicators



Alarm monitoring
Custom alarm monitoring for marine and industrial applications



Smart control system
Custom interface to digital multiplex smart switches

Technical features

Display	4,3” TFT LCD, 480 x 272pixel, 700cd
Touch screen	Resistive
Dimension	118 x 78 x 32mm
Mounting hole	107 x 67mm
Communication port	1 x CAN Bus
Power supply	9-32V <500mA
Environment	-20 +70°C / IP64
Weight	180g
Accessories	Display protection cover / 2 x Mounting brackets

UNS10191	UNS10191/C	UNS10191/1
4 x Analog inputs 0-300Ω / Outputs NPN	2 x Analog inputs 0-300Ω	6 x Analog inputs 0-300Ω
2 x Analog inputs 0-32V / Outputs PNP	1 x Analog input 0-32V	2 x Analog inputs 0-32V
1 x Analog input 0-3V	1 x Frequency (W)	1 x Frequency (W)
1 x Frequency (W)	5 x Digital inputs ON/OFF	8 x Digital inputs
2 x Digital outputs PNP	8 x Digital inputs	1 x Digital output
	1 x Digital output	

Need more digital inputs or outputs? You can add one or more UNS10071 / UNS10072 expansion modules.
Need more analog inputs? You can add one or more UNS10081 expansion modules.

CAN Bus keyboard

UNS10400

Backlit membrane keypad designed to provide a practical and intuitive interface for remote control of our monitoring systems. The solution combines functionality, reliability, and ease of use, even in low light conditions.

Tastiera a membrana retroilluminata sviluppata per offrire un'interfaccia pratica e intuitiva per il controllo remoto dei nostri sistemi di monitoraggio. La soluzione combina funzionalità, affidabilità e facilità di utilizzo, anche in condizioni di scarsa illuminazione.

Technical features

Dimension	144 x 40 x 25mm
Output	CAN Bus
Power supply	9-32V <500mA
Connection	1 x M12-5pin



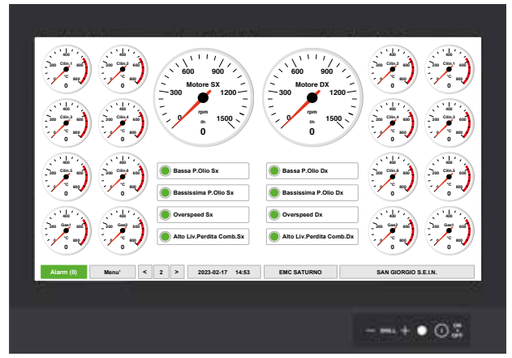


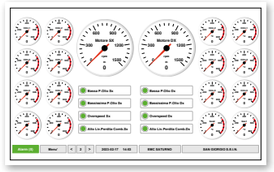
Panels PC

UNS12120

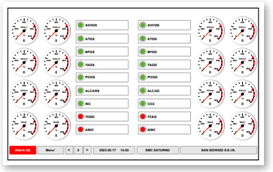
Line of panels PC specifically designed for naval use and professional applications. High quality display with brightness adjustment. High reliability in all operating conditions. Compatible with tracking and navigation software.

Linea di panel PC espressamente progettata per impieghi navali e professionali. Visualizzazione di alta qualità con regolazione di luminosità. Massima affidabilità in ogni condizione di esercizio. Compatibile con software di monitoraggio e navigazione.









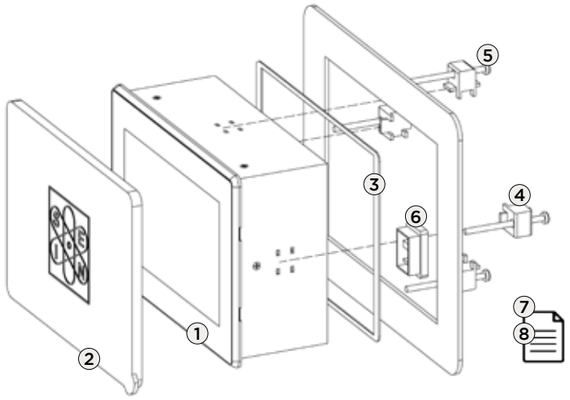


Technical features

Code	UNS12120/15	UNS12120/21
Display	15,6" TFT LCD, 1920 x 1080pixel, 400cd	21" TFT LCD, 1920 x 1080 pixel, 360cd
Touch screen	Capacitive	Capacitive
Dimension	397,60 x 279,50 x 94,50mm	536 x 358,50 x 78,5mm
Mounting hole	381 x 261mm	516 x 338,5mm
Hardware	CPU, RAM, SSD on demand	CPU, RAM, SSD on demand
Operating system	Windows 10 LTSC (64bit)	Windows 10 LTSC (64bit)
Interfaces	2 x LAN RJ45 4 x USB 1 x RS232-422	2 x LAN RJ45 4 x USB 1 x RS232-422
Power supply	24V	24V
Operating temperature	-15 +55°C	-15 +55°C
Protection grade	IP66 Front IP20 Rear	IP66 Front IP20 Rear
Type approval	**IEC60945** **IACS E10** **EU RO MR**	**IEC60945** **IACS E10** **EU RO MR**

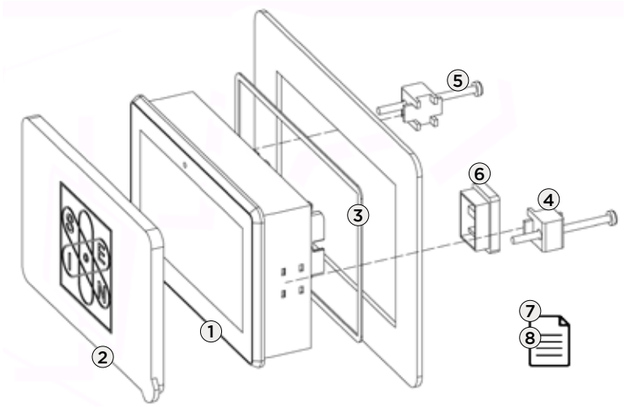
Package content

UNS10195 - 7” ADVANCED display



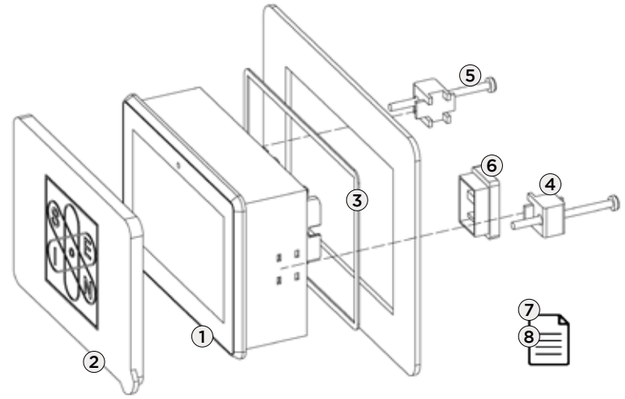
1. 7” ADVANCED display (**UNS10195**)
2. Display protection cover (**SCO10195**)
3. Rubber gasket (**GUA80245**)
4. Mounting brackets (**STA80195/PL**)
5. Mounting screws (**VIT80323/1**)
6. USB LAN protection plug (**DSC80195**)
7. Double language instruction (**M180530**)
8. Flush mounting template

UNS10193 - 7” PLUS display



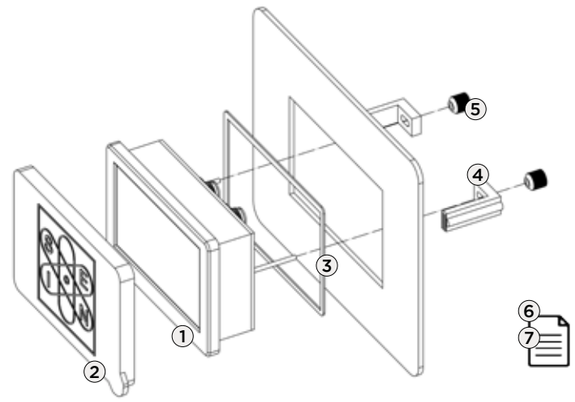
1. 7” PLUS display (**UNS10193**)
2. Display protection cover (**SCO10193**)
3. Rubber gasket (**GUA80247**)
4. Mounting brackets (**STA80195/PL**)
5. Mounting screws (**VIT80323/1**)
6. USB LAN protection plug (**DSC80195**)
7. Double language instruction (**M200203**)
8. Flush mounting template

UNS10192 - 5” COMPACT display



1. 5” COMPACT display (**UNS10192**)
2. Display protection cover (**SCO10192**)
3. Rubber gasket (**GUA80242**)
4. Mounting brackets (**STA80195/PL**)
5. Mounting screws (**VIT80323/1**)
6. USB LAN protection plug (**DSC80195**)
7. Double language instruction (**M180427**)
8. Flush mounting template

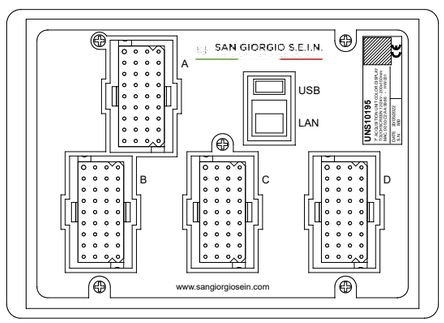
UNS10191 - 4,3” MINI display



1. 4,3” MINI display (**UNS10191**)
2. Display protection cover (**SCO10191**)
3. Rubber gasket (**GUA80249**)
4. Mounting brackets (**STA80793/1**)
5. Mounting nuts (**DAD83050/1**)
6. Double language instruction (**M180427**)
7. Flush mounting template

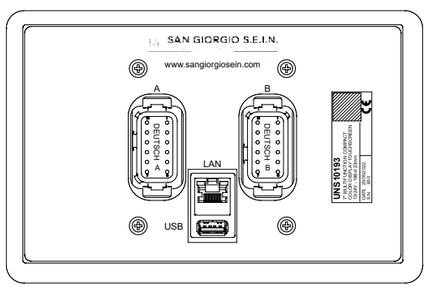
Counterpart harness

UNS10195 - 7” ADVANCED display



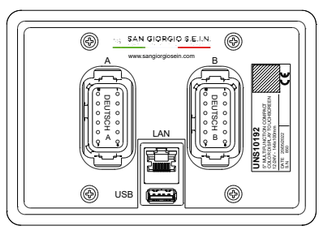
4 x SOURIAU SMS36P-1 + 4 x SOURIAU SMS36H-1
(**CAB70768/A - CAB70768/B - CAB70768/C - CAB70768/D**)

UNS10193 - 7” PLUS display



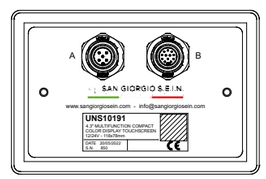
1 x Deutsch DT06-12SA (**CON70214/2 - CAB10193/A**)
1 x Deutsch DT06-12SB (**CON70905 - CAB10193/B**)

UNS10192 - 5” COMPACT display

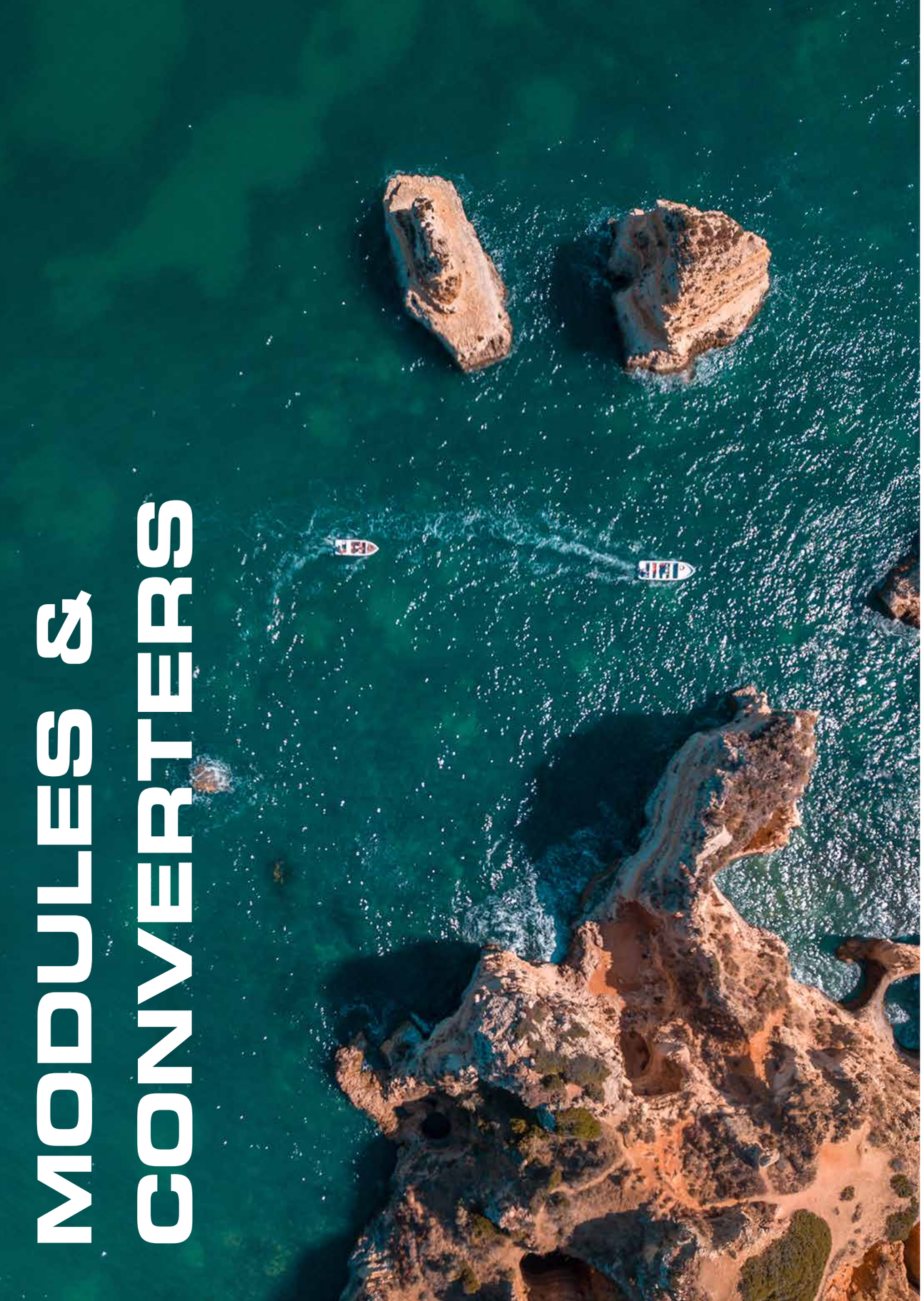


1 x Deutsch DT06-12SA (**CON70214/2 - CAB10192/A**)
1 x Deutsch DT06-12SB (**CON70905 - CAB10192/B**)

UNS10191 - 4,3” MINI display



1 x M12-5pin (**CAB20108**)
1 x M12-12pin (**CAB20126**)



Monitoring and control unit

RINA APPROVED

UNS10185

The UNS10185 module is the most compact monitoring and control system in our range. It reads analog and digital inputs and monitors engine RPM from a W alternator or pick-up via a dedicated frequency input. Thanks to its integrated digital outputs, the device can also be used as an alarm and shutdown system for certified engines. In addition, the built-in CAN Bus interface enables data to be read and converted according to the J1939 standard.

Il modulo UNS10185 è il sistema di monitoraggio e controllo più compatto della nostra gamma. Consente la lettura di ingressi analogici e digitali e monitora i giri motore da alternatore W o pick-up attraverso un ingresso in frequenza dedicato. Grazie alle uscite digitali integrate, il dispositivo può essere impiegato anche come sistema di allarme e arresto per motori certificati. Inoltre, l'interfaccia CAN Bus integrata permette la lettura e la conversione dei dati secondo lo standard J1939.

Engine safety

Analog to CAN Bus converter

RINA Approved



Technical features

Dimension	145 x 66 x 50mm
Inputs	1 x Frequency 5 x Custom analog (0-5V / 0-10V / 0-32V / 0-300Ω / 0-100kΩ) 3 x ON/OFF digital
Outputs	4 x Transistor push-pull, max 1A
Communication ports	1 x CAN Bus 1 x RS232 / NMEA0183
Connection	30pin connector + harness
Power supply	12/24V <250mA (excluding the output transistors)
Environment	-20 +70°C
Weight	110g

Data concentrator module

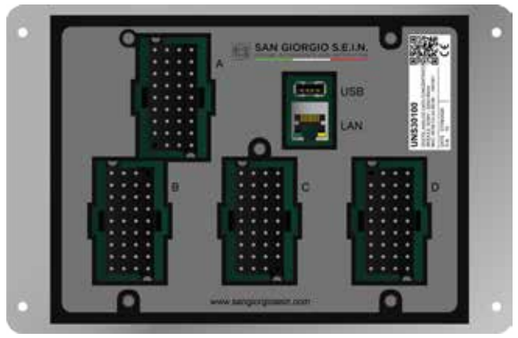
UNS30100

Very high performance monitoring and control system designed to convert various analog and digital inputs. The instrument can be customized and programmed via LAN, WiFi and USB interfaces.

Sistema di monitoraggio e controllo ad altissime prestazioni progettato per convertire diversi ingressi analogici e digitali. Lo strumento può essere personalizzato e programmato mediante interfaccia LAN, WiFi ed USB.

Built in NMEA2000 converter

HTML inside



Technical features

Code	UNS30100
Dimension	200 x 143 x 76mm
Inputs / Outputs	8 x Analog inputs 0-300Ω 16 x Analog inputs 0-10V / 4-20mA 8 x Analog inputs NTC 0-100KΩ with autorange 8 x Analog thermocouple inputs 8 x Analog inputs 0-32V 3 x Frequency inputs (W) 8 x Digital ON/OFF inputs, active to ground 8 x Relay outputs, single contact max 500mA
Communication ports	4 x CAN Bus / 1 x Ethernet / 1 x USB / 1 x NMEA0183 / 2 x RS232 / 1 x RS485
Power supply	9-32V <1A
Operating temperature	0 +55°C (-20 +70°C on demand)
Protection grade	IP65
Weight	1100g

Need more digital inputs or outputs? You can add one or more UNS10071 / UNS10072 expansion modules.
Need more analog inputs? You can add one or more UNS10081 expansion modules.

Digital inputs / outputs expansions

The electronic modules allow you to expand the number of digital inputs and outputs of UNS monitoring systems via CAN Bus network connection.

I moduli elettronici permettono di espandere il numero di ingressi ed uscite digitali dei sistemi di monitoraggio UNS tramite collegamento in rete CAN Bus.

Technical features

Dimension	158 x 90 x 60mm
Power supply	12/24V
Connection	Terminal blocks - 54pin



Models

Code	UNS10071	UNS10072
Description	Digital input expansion 16 x ON/OFF / 1 x Relay 1 x CAN Bus / 1 x RS485	Digital output expansion 16 x transistor (<1A) / 1 x Relay 1 x CAN Bus / 1 x RS485

Inputs expansion

Analog input expansion module for UNS monitoring systems via CAN Bus network connection.

Modulo di espansione ingressi analogici per i sistemi di monitoraggio UNS tramite collegamento in rete CAN Bus.



Technical features

Code	UNS10081
Dimension	160 x 87 x 70mm
Inputs	16 x Analog (0-1kΩ) 16 x Analog (0-32V) 4 x Thermocouple 2 x Frequency
Output	1 x Relay, max 500mA
Communication ports	2 CAN Bus / 1 x LAN / 1 x RS485
Connection	Terminal blocks (56pin)

Protocol gateway

Protocol expansion module for UNS monitoring systems via CAN Bus network connection.

Modulo di espansione protocolli per i sistemi di monitoraggio UNS tramite collegamento in rete CAN Bus.



Technical features

Code	UNS10082
Dimension	103 x 87 x 70mm
Communication ports	2 x CAN Bus 2 x Ethernet / LAN 3 x RS485
Connection	Terminal blocks (36pin)

Electronic control module

Acquisition and control module equipped with 48 I/O and 3 CAN Bus communication ports. Rugged enclosure with waterproof connectors. Suitable for data acquisition, automatic control and protocol conversion.

Modulo di acquisizione e controllo dotato di 48 I/O e 3 porte di comunicazione CAN Bus. Custodia robusta con connettori stagni. Adatto per acquisizione dati, controllo automatico e conversione di protocollo.



Technical features

Code	UNS14100
Dimension	122 x 120 x 55mm
Inputs	3 x CAN Bus J1939 / 14 x Analog (custom) / 5 x Digital / 2 x Frequency / 2 x Thermocouple
Outputs	10 x Digital / 2 x 4-20mA
Power supply	12/24V <250mA + outputs
Connection	4 x Deutsch 12 pin
Environment	-20 +70°C / IP67

Throttle signal converter

Technical features

Code	UNS12115/T
Dimension	133 x 118 x 35mm
Inputs	0-5V / 4-20mA
Output	1 x CAN Bus J1939
Power supply	12/24V
Connection	1 x Deutsch 12 pin



CAN Bus to analog output converter

Technical features

Code	UNS12215
Dimension	133 x 118 x 35mm
Input	1 x CAN Bus J1939
Outputs	4 x Analog output
Power supply	12/24V
Connection	1 x Deutsch 12 pin





Chain counter systems

Chain counter panel compatible with ON/OFF sensors. It measures the chain lowered (vertical and horizontal), the ascent / descent speed.

Pannello contacatena compatibile con sensori ON/OFF. Misura la lunghezza della catena calata, sia in verticale che in orizzontale, e la velocità di salita e discesa.



Technical features

Display	4,3" TFT LCD, 480 x 272pixel
Touch screen	Resistive
Dimension	118 x 78 x 32mm
Mounting hole	107 x 67mm
Communication port	1 x CAN Bus
Power supply	9-32V <500mA
Environment	-20 +70°C / IP64

J1939 chain counter to NMEA2000 converter to transmit the length of dropped chain to on board plotters.

Convertitore da ingresso J1939 contacatena a uscita NMEA2000 per trasmettere la lunghezza della catena calata ai plotter di bordo.



Technical features

Dimension	93 x 93 x 62mm
Input	1 x J1939
Output	1 x NMEA2000
Power supply	12/24V
Connection	2 x M12-5pin



NMEA2000 twin engine converters

Twin electronic engine converter transforms the J1939 protocol coming from the engine control units in a NMEA2000 signal for the connection of latest generation plotters and/or integrated navigation systems.

Il convertitore doppio motore elettronico trasforma il protocollo J1939 proveniente dalle centraline motore in segnale NMEA2000 per il collegamento di plotter e/o sistemi integrati di ultima generazione.

Technical features

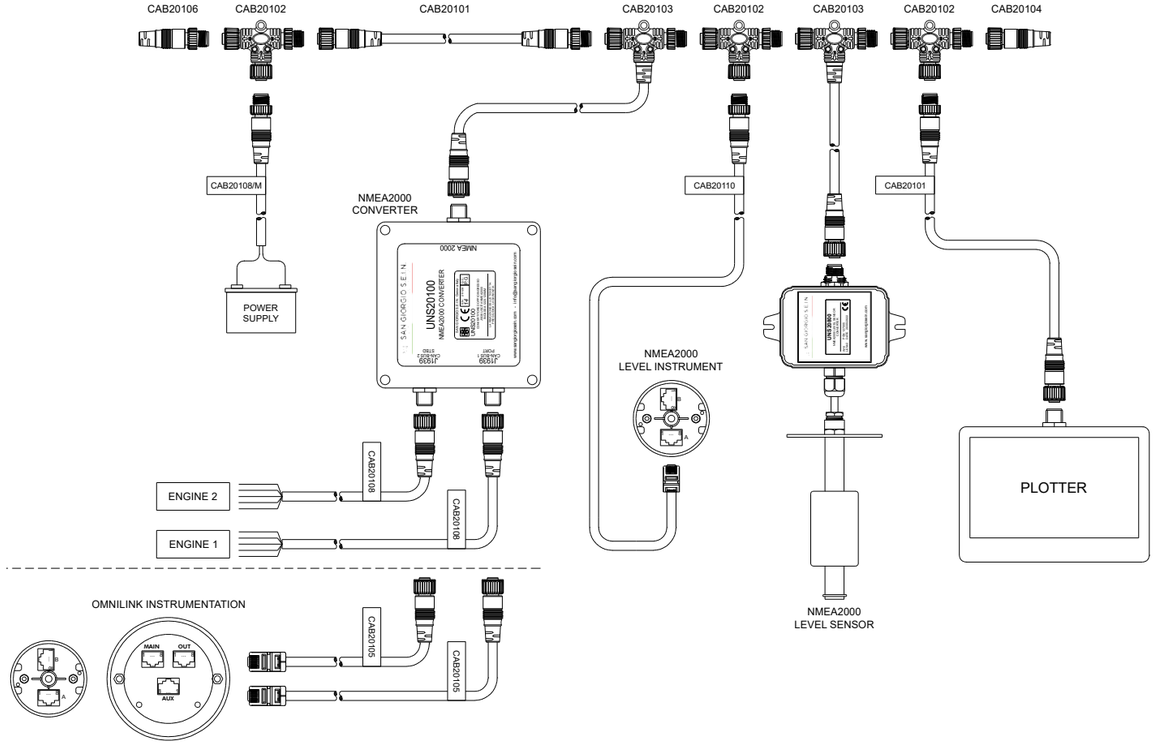
Dimension	122 x 120 x 55mm
Inputs	2 x CAN Bus J1939
Output	1 x NMEA2000
Connection	3 x M12-5pin
Power supply	12/24V <250mA
Environment	-20 +70°C / IP65



Models

UNS20100	UNS20100/MTU	UNS20100/MAN	UNS20100/FPT	UNS20100/CU
Standard J1939	MTU engine	MAN engine	FPT engine	CUMMINS engine

The NMEA2000 network



NMEA2000 single engine converters

Single electronic engine converter transforms the J1939 protocol coming from the engine control units in a NMEA2000 signal for the connection of latest generation plotters and/or integrated navigation systems.

Il convertitore singolo motore elettronico trasforma il protocollo J1939 proveniente dalle centraline motore in segnale NMEA2000 per il collegamento di plotter e/o sistemi integrati di ultima generazione.

Technical features

Codes	UNS20660	Standard J1939
	UNS20660/MTU	MTU engine
	UNS20660/MAN	MAN engine
	UNS20660/FPT	FPT engine
	UNS20660/CA	CUMMINS engine
	UNS20660/VP	VOLVO PENTA engine
Dimension	93 x 93 x 80mm	
Input	1 x CAN Bus J1939	
Output	1 x NMEA2000	
Connection	2 x M12-5pin	
Power supply	12/24V	



Network bridge interface

This module allows the connection of two separate CAN Bus / NMEA2000 lines, keeping the two power supplies isolated and increasing the length of the network. Filtering and PGN processing are available upon request. The three LEDs display the operating status of the two data lines and the power supply.

Modulo che permette il collegamento di due linee CAN Bus / NMEA2000 separate mantenendo isolate le due alimentazioni ed aumentando la lunghezza della rete. Filtraggio ed elaborazione PGN a richiesta. Tramite i 3 led è possibile visualizzare lo stato di funzionamento delle due linee dati e dell'alimentazione.

Technical features

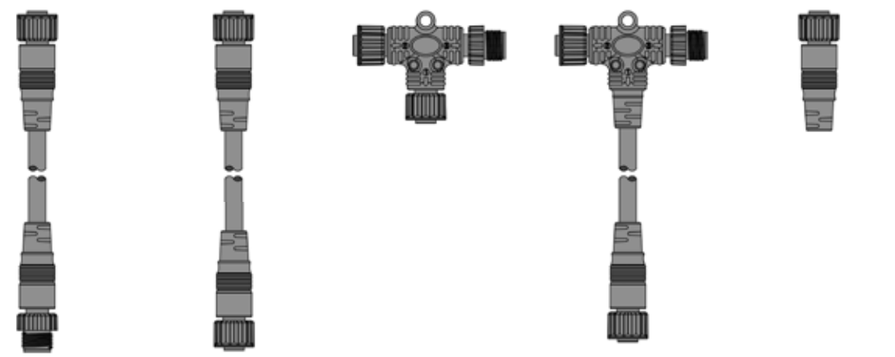
Code	UNS20650
Dimension	93 x 93 x 62mm
Network ports	2 x CAN Bus NMEA2000
Connection	2 x M12-5pin
Power supply	12/24V



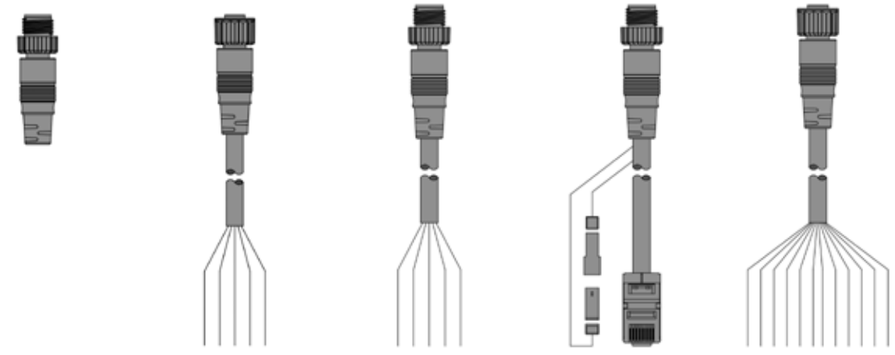
NMEA2000 cables

A series of cables for connecting NMEA2000 instruments available in various lengths.

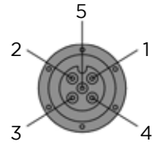
Una serie di cablaggi per il collegamento della strumentazione NMEA2000 disponibili in diverse lunghezze.



CAB20101	CAB20101/F	CAB20102	CAB20103	CAB20104	CAB20105
Cable	Cable	"T" Connector	"T" Cable	Terminator	Cable
					OmniLink J1939
1 x M12-5 Female	2 x M12-5 Female	2 x M12-5 Female	2 x M12-5 Female	1 x M12-5 Female	1 x M12-5 Female
1 x M12-5 Male		1 x M12-5 Male	1 x M12-5 Male		1 x RJ45



CAB20106	CAB20108	CAB20108/M	CAB20110	CAB20126
Terminator	Cable	Cable	Cable	Cable
			N2K instruments	
1 x M12-5 Male	1 x M12-5 Female	1 x M12-5 Male	1 x M12-5 Male	1 x M12-12 Female
	Loose threads	Loose threads	RJ45	Loose threads



NMEA2000 connection

1 Shield
2 NET-S (+V Power supply)
3 NET-C (-V Power supply)
4 NET-H (CAN-H)
5 NET-L (CAN-L)

NMEA2000 / J1939 engine converters

Multifunction converter for single or twin mechanical engines, designed to convert analog sensors to NMEA2000 or J1939 output for interfacing with the latest generation of plotters.

Convertitore multifunzione singolo o doppio motore meccanico utilizzato per la conversione di sensori analogici in uscita NMEA2000 o J1939 per interfacciarsi con i plotter di ultima generazione.



Technical features

Dimension	133 x 118 x 35mm
Connection	2 x Deutsch 12pin

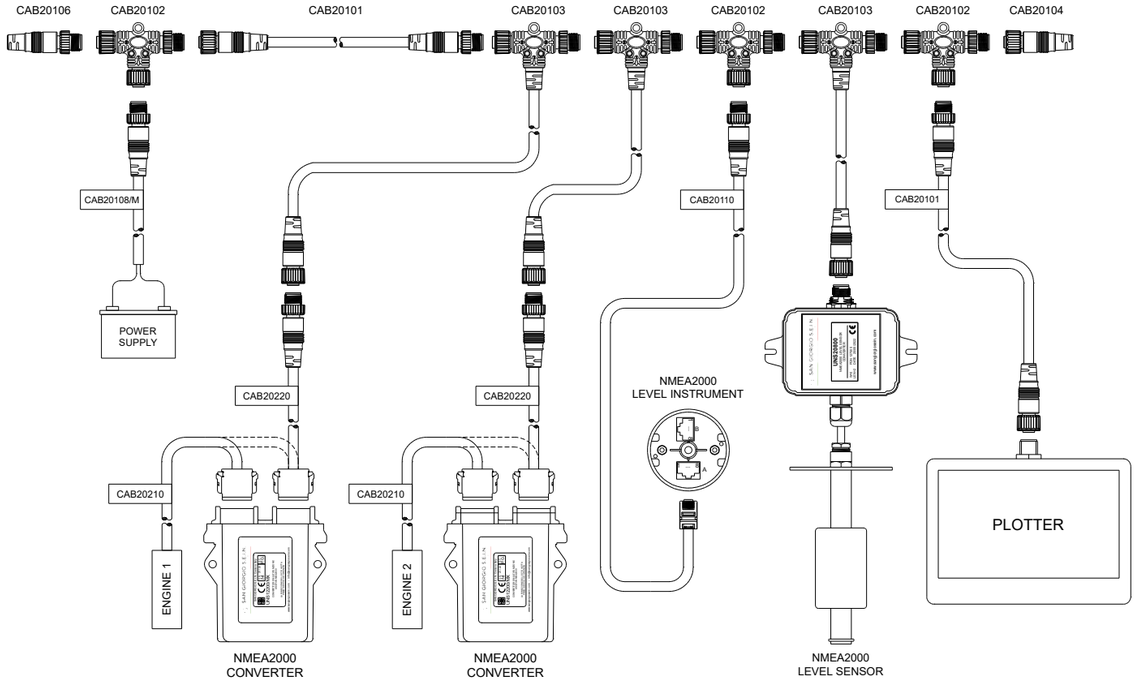
Models

Code	UNS12200/2MX
Inputs	10 x Analog
	2 x Frequency
	2 x Digital
Output	NMEA2000

Code	UNS12200/MX
Inputs	6 x Analog
	1 x Frequency
	2 x Digital
Output	NMEA2000

Code	UNS12200/MXY
Inputs	6 x Analog
	1 x Frequency
	2 x Yanmar digital
Output	NMEA2000

The NMEA2000 network



On mechanical engines, the integration of NMEA2000 converters eliminates the need for analog instruments.
Sui motori meccanici, l'integrazione di convertitori NMEA2000 elimina l'uso di strumenti analogici.

NMEA2000 multifunction converters

Converter designed to read up to two engines and on board auxiliary functions. Two CAN Bus ports and a smart selection of inputs and outputs.

Convertitore per la lettura fino a due motori e funzioni ausiliarie di bordo. Due porte CAN Bus ed una selezione intelligente di ingressi ed uscite.



Technical features

Dimension	144 x 100 x 69mm
Inputs / Outputs	4 x Analog 0-32V / 4 x Analog 0-300Ω (UNS12192)
	6 x Analog 0-32V / 2 x Analog 0-300Ω (UNS12192/R1)
	2 x Analog 0-32V / 6 x Analog 0-300Ω (UNS12192/R2)
	8 x Analog 0-300Ω (UNS12192/RE)
	8 x Analog 0-32V / 4-20mA (UNS12192/20)
	1 x Frequency input (W)
	5 x Digital inputs / outputs
Communication ports	2 x CAN Bus / 1 x NMEA0183 / 1 x RS485 / 1 x USB
Power supply	9-32V <1A
Connection	2 x Deutsch 12pin

NMEA2000 converter

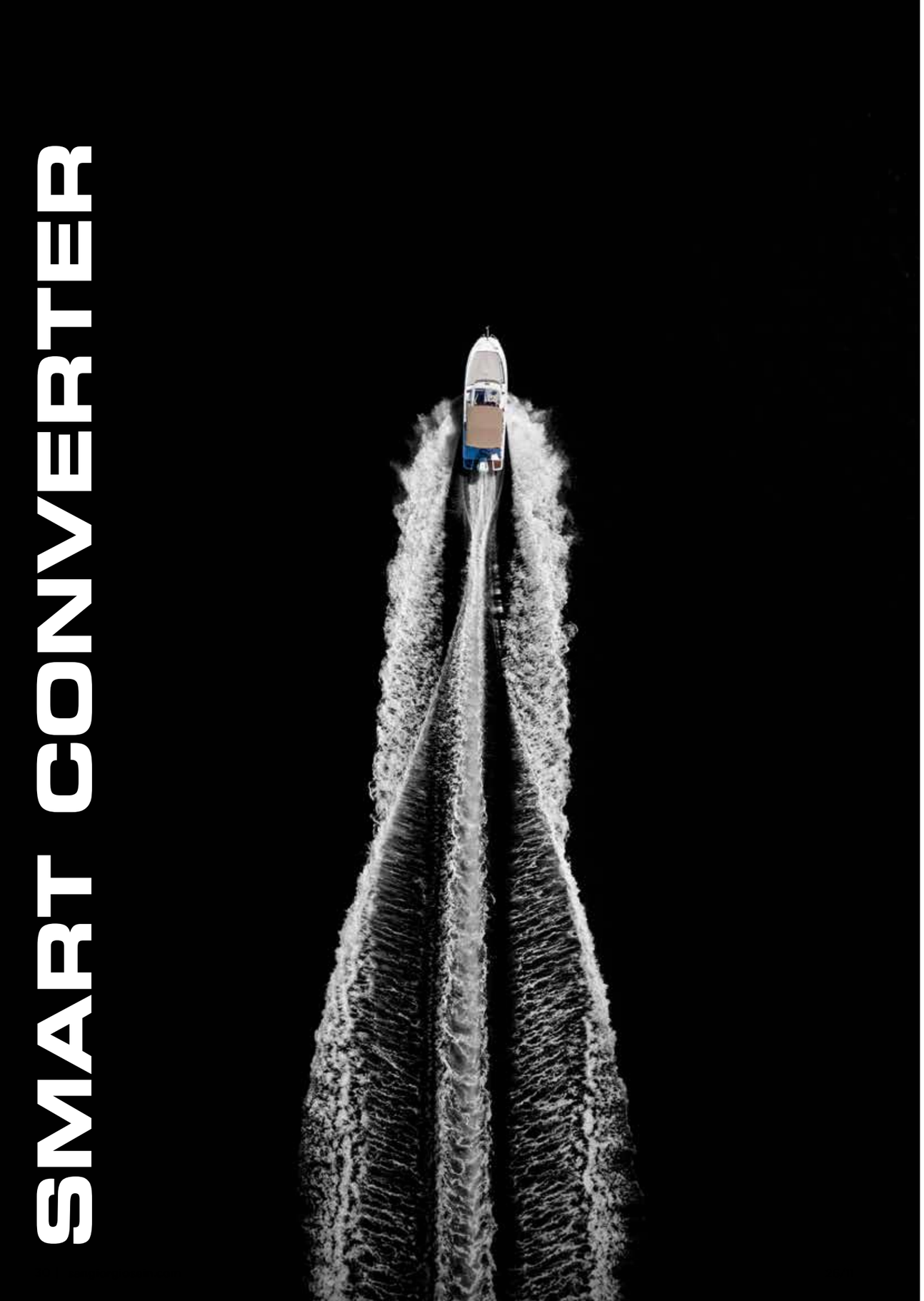
Converter designed to read up to one engine and auxiliary functions. One CAN Bus port and a smart selection of inputs and outputs.

Convertitore per la lettura fino ad un motore e funzioni ausiliarie di bordo. Una porta CAN Bus ed una selezione intelligente di ingressi ed uscite.



Technical features

Code	UNS12191
Dimension	167 x 90 x 65mm
Inputs / Outputs	4 x Inputs 0-300Ω / Outputs NPN
	2 x Inputs 0-32V / Outputs PNP
	1 x Input 0-32V / Frequency (W)
	1 x Input 0-3V
	2 x Digital outputs PNP
Communication ports	1 x CAN Bus
Power supply	9-32V <500mA
Connection	1 x M12-5pin / 1 x M12-12pin



SmartGateway

Embedded Linux PC module for reading local analog inputs and J1939 / NMEA2000 protocols. Optional GPS/GSM IOT connectivity.

Modulo embedded Linux PC per la lettura di ingressi analogici locali e protocolli J1939 / NMEA2000. Connettività GPS/GSM IOT opzionale.



Technical features

Code	UNS20700
CPU / OS	Quad-core Arm® Cortex®-A72 processor / Linux
Memory	Up to 8 GB RAM and 32GB eMMC or MicroSD card
Dimension	205 x 120 x 50mm
Inputs / Outputs	4 x Analog inputs 0-32V / 4 x Analog inputs 0-10Ω / 4 x Digital outputs
Communication ports	1 x RS232 / 3 x CAN Bus / 1 x LAN (1 x GPS / 1 x GSM on demand)
Power supply	9/32V with intelligent UPS

SmartDrive

High performance digital switching I/O module with CAN Bus and NMEA2000 interface. Compatible with UNS monitoring systems.

Modulo I/O di commutazione digitale ad alte prestazioni con interfaccia CAN Bus e NMEA2000. Compatibile con i sistemi di monitoraggio UNS.



Technical features

Codes	UNS10065	12V
	UNS10065/24	24V
Dimension	205 x 120 x 50mm	
Inputs	2 x Analog 0-300Ω	
	2 x Analog 0-32V	
Outputs	12 x PNP Highside up to 20A / ch	
	Current monitoring with overload protection	
Communication ports	1 x CAN Bus / 1 x NMEA2000	



NMEA2000 multifunction tachometers

The multifunction tachometers with NMEA2000 input have been designed to measure the main engine parameters. They are available for front or flush mounting.

I contagiri multifunzione con ingresso NMEA2000 sono stati progettati per misurare i principali parametri motore. Sono disponibili con montaggio frontale o a retroquadro.





Models

Range	RQ Black dial	RQ White dial	CR Black dial	CR White dial
0-3000rpm	VSG12444/N	VSG12144/N	VSG12344/N	VSG12044/N
0-4000rpm	VSG12445/N	VSG12145/N	VSG12345/N	VSG12045/N
0-5000rpm	VSG12450/N	VSG12150/N	VSG12350/N	VSG12050/N

Technical features

Dimension	Ø85mm
Connection	3 x RJ45
Power supply	12/24V

NMEA2000 instruments

NMEA2000 instrumentation available with a removable bezel in satin aluminum or black plastic for front or flush mounting.

Strumentazione NMEA2000 disponibile con ghiera amovibile in alluminio satinato o plastica nera per il montaggio frontale o retroquadro.









Models

40-120°C	VSG22x40/N	0-5bar	VSG22x63/N	8-16V	VSG22x80/N	0-4/4 Fuel	VSG22x30/N
50-150°C	VSG22x45/N	0-10bar	VSG22x55/N	16-32V	VSG22x85/N	0-4/4 Water	VSG22x92/N
		0-25bar	VSG22x65/N			0-4/4 Waste	VSG22x94/N

Technical features

Dimension	Ø52mm
Connection	2 x RJ45
Power supply	12/24V

OmniLink tachometers

RINA APPROVED

The RINA approved multifunction tachometers with J1939 input have been designed to measure the main engine parameters. They are available for front or flush mounting.

I contagiri multifunzione omologati RINA con ingresso J1939 sono stati progettati per misurare i principali parametri motore. Sono disponibili con montaggio frontale o a retroquadro.





Models

Range	RQ Black dial	RQ White dial	CR Black dial	CR White dial
0-3000rpm	VSG12444	VSG12144	VSG12344	VSG12044
0-4000rpm	VSG12445	VSG12145	VSG12345	VSG12045
0-5000rpm	VSG12450	VSG12150	VSG12350	VSG12050

Technical features

Dimension	Ø85mm
Connection	3 x RJ45
Power supply	12/24V

OmniLink instruments

RINA APPROVED

Temperature and pressure instruments, voltmeters and level indicators with J1939 input. They are available with a removable bezel in satin aluminum or black plastic for front or flush mounting.

Termometri, manometri, voltmetri ed indicatori di livello con ingresso J1939. Sono disponibili con ghiera amovibile in alluminio satinato o plastica nera per il montaggio frontale o retroquadro.









Models

40-120°C	VSG22x40	0-5bar	VSG22x63	8-16V	VSG22x80	0-4/4 Fuel	VSG22x30
50-150°C	VSG22x45	0-10bar	VSG22x55	16-32V	VSG22x85	0-4/4 Water	VSG22x92
		0-25bar	VSG22x65			0-4/4 Waste	VSG22x94

Technical features

Dimension	Ø52mm
Connection	2 x RJ45
Power supply	12/24V

J1939 Gateway tachometers

RINA APPROVED

The Gateway multifunction tachometers have been designed to monitor engines equipped with analog sensors only, whose measurements are read and converted into J1939 output.

I contagiri multifunzione Gateway sono stati progettati per il monitoraggio propulsori dotati di soli sensori analogici le cui misure vengono lette e convertite in uscita J1939.





Models

Range	RQ Black dial	RQ White dial	CR Black dial	CR White dial
0-3000rpm	VSG12444/GJ	VSG12144/GJ	VSG12344/GJ	VSG12044/GJ
0-4000rpm	VSG12445/GJ	VSG12145/GJ	VSG12345/GJ	VSG12045/GJ
0-5000rpm	VSG12450/GJ	VSG12150/GJ	VSG12350/GJ	VSG12050/GJ

Technical features

Dimension	Ø85mm
Connection	3 x RJ45
Power supply	12/24V

M12 OmniLink tachometers

The tachometers have two M12 connectors to measure the main engine parameters in a single compact instrument. Available with analog, digital and CAN Bus J1939 inputs.

I contagiri utilizzano due connettori M12 per misurare i principali parametri motore in un unico strumento compatto. Disponibili con ingressi analogici, digitali e CAN Bus J1939.





Models

Range	RQ Black dial	RQ White dial	CR Black dial	CR White dial
0-3000rpm	VSG13444	VSG13144	VSG13344	VSG13044
0-4000rpm	VSG13445	VSG13145	VSG13345	VSG13045
0-5000rpm	VSG13450	VSG13150	VSG13350	VSG13050

Technical features

Dimension	Ø85mm
Connection	1 x M12-5pin / 1 x M12-12pin
Power supply	12/24V

Speed-Log GPS instruments

Instruments for vessel speed monitoring, equipped with an integrated GPS and NMEA0183 input for easy integration into onboard systems.

Strumenti per il monitoraggio della velocità dell'imbarcazione, dotati di GPS integrato e ingresso NMEA0183 per una facile integrazione nei sistemi di bordo.





Models

Range	RQ Black dial	RQ White dial	CR Black dial	CR White dial
0-40Kn	VSG12406/GPS	VSG12106/GPS	VSG12306/GPS	VSG12006/GPS
0-60Kn	VSG12408/GPS	VSG12108/GPS	VSG12308/GPS	VSG12008/GPS

Technical features

Dimension	Ø85mm
Connection	3 x RJ45
Power supply	12/24V

Depth-Log instruments

Multifunction instrument for measuring water depth and displaying vessel speed, ideal for monitoring key parameters during navigation.

Strumento multifunzione per la misurazione della profondità e della velocità dell'imbarcazione sul display, ideale per il monitoraggio dei principali parametri durante la navigazione.





Models

Range	RQ Black dial	RQ White dial	CR Black dial	CR White dial
0-120m	VSG12495/N	VSG12195/N	VSG12395/N	VSG12095/N

Technical features

Dimension	Ø85mm
Connection	3 x RJ45
Input	NMEA2000
Power supply	12/24V

Wind speed instruments

Instrument designed to monitor wind speed, providing a clear and immediate display of measured data to facilitate the monitoring of environmental conditions during navigation.

Strumento progettato per il monitoraggio della velocità del vento, consente una visualizzazione chiara e immediata dei dati rilevati, facilitando il controllo delle condizioni ambientali durante la navigazione.





Models

Range	RQ Black dial	RQ White dial	CR Black dial	CR White dial
0-80Kn	VSG12416/N	VSG12116/N	VSG12316/N	VSG12016/N

Technical features

Dimension	Ø85mm
Connection	3 x RJ45
Input	NMEA2000
Power supply	12/24V

Wind direction instruments

Instrument designed to monitor wind direction over a full 360° range, providing a clear and immediate indication of wind direction during navigation.

Strumento per il monitoraggio della direzione del vento su 360°, progettato per fornire un'indicazione chiara e immediata della provenienza del vento durante la navigazione.





Models

Range	RQ Black dial	RQ White dial	CR Black dial	CR White dial
0-360°	VSG12417/N	VSG12117/N	VSG12317/N	VSG12017/N

Technical features

Dimension	Ø85mm
Connection	3 x RJ45
Input	NMEA2000
Power supply	12/24V

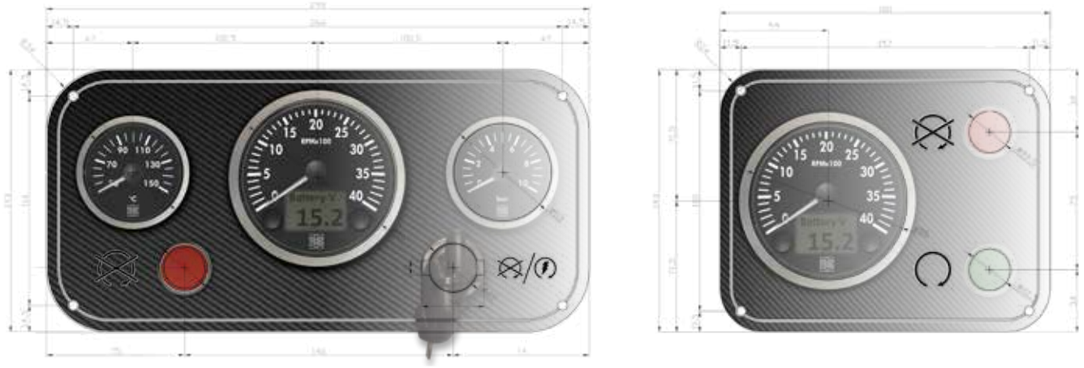


ENGINE PANELS

Tailor made engine panel

We design and manufacture customized engine control panels, tailored to meet each customer's specific requirements. Available in a range of sizes and materials, they offer maximum configuration flexibility, ensuring functionality, reliability, and seamless integration on board any vessel.

Progettiamo e realizziamo quadri di controllo motore su misura, dotati di display per il monitoraggio dei principali parametri del motore e di pulsanti dedicati al comando delle apparecchiature e delle funzioni di bordo richieste dal cliente. Ogni quadro viene sviluppato in base alle specifiche esigenze applicative, garantendo funzionalità, affidabilità e un'integrazione ottimale a bordo.



- Design and manufacturing of customized panels to meet customer requirements
- Engine control panels with analog instrumentation and integrated control devices
- Internal panel wiring for a complete and customized solution
- Customized Main and Fly control panel solutions

Engine control panel

We design and manufacture custom engine control panels equipped with displays for monitoring key engine parameters and a selection of push buttons dedicated to controlling the onboard equipment and functions required by the customer. Each panel is developed to meet specific application requirements, with customizable configurations to ensure functionality, reliability, and seamless integration on board any vessel.

Progettiamo e realizziamo quadri di controllo motore su misura, dotati di display per il monitoraggio dei principali parametri motore e di una selezione di pulsanti dedicati alla gestione delle utenze e delle funzioni richieste dal cliente. Ogni quadro è sviluppato secondo specifiche esigenze applicative, con configurazioni personalizzabili per garantire funzionalità, affidabilità e un'integrazione ottimale a bordo di ogni imbarcazione.



Engine analog control panels

OmniLink panels offer a complete solution for both mechanical and electronic engines. The Deluxe panel has three additional instruments for engine oil pressure, engine coolant temperature and battery voltage. Ignition key and engine stop button.

I pannelli OmniLink offrono una soluzione completa sia per motori meccanici che elettronici. Il pannello Deluxe aggiunge tre strumenti dedicati al monitoraggio della pressione olio motore, liquido raffreddamento e tensione batteria. Chiave di accensione e pulsante di arresto motore.

Sailboat panel

Technical features

Code	QCS23405/SG
Dimension	210 x 165 x 80mm
Instrumentation	Tachometer
	Thermometer



Compact panel

Technical features

Code	QCS30100
Dimension	190 x 130mm
Instrumentation	Tachometer



Deluxe panel

Technical features

Code	QCS30150/xx
Dimension	270 x 190mm
Instrumentation	Tachometer
	Thermometer
	Manometer
	Voltmeter



Engine digital control panel

The digital engine panel with an LED display offers a compact and easy to use solution for monitoring marine engines.

Il pannello digitale motore con display a led offre una soluzione compatta e di semplice utilizzo per il monitoraggio di motori marini.



Technical features

Code	QCS23409
Dimension	180 x 100 x 60mm
Inputs	1 x Engine speed and hour counter / 1 x Engine coolant temperature / 1 x Engine oil pressure
	1 x Battery voltage / 1 x Low pressure and high temperature alarm / 1 x Low battery voltage alarm
	1 x Battery recharge alarm / 1 x Pre-heating

Buttons



Code	IPD50403	IPD50400/1	IPD50405	IPD50401/1	IPD50420
Function	Start	Stop	Acknowledge	On demand	Emergency stop

Code	IPD50841	IPD50360/1	IPD50360
Function	Button + Led	Button + Led	Button + Led



Code	IPD50705	IPD50704	IPD50710	IPD50520	IPD50703
Function	On demand	On demand	On demand	Selector switch 2 positions	Selector switch 3 positions

Ignition keys



Code	CHA50100	CHA50400	CHA50293/1	CHA50401
Function	2 positions	3 positions	3 positions	5 positions
	ON / OFF	OFF / ON /START	OFF / ON /START	STOP / OFF / ON / PREHEAT / START



VSG tachometers

Tachometer with integrated LCD hour meter for monitoring engine speed. Available with a black plastic or chrome-plated brass bezel, in front-mount or rear-mount versions, to suit different onboard installation requirements.

Contagiri con contaore LCD integrato per il monitoraggio del regime di rotazione. Disponibile con ghiera in plastica nera o ottone cromato, nelle versioni per montaggio frontale o retroquadro, per adattarsi alle diverse esigenze di installazione a bordo.

Technical features

Dimension	Ø85mm
Inputs	Pickup / W
Connection	Terminal blocks
Power supply	12V or 24V





Models

Range	RQ Black dial	RQ White dial	CR Black dial	CR White dial
0-3000rpm	VSG10444	VSG10144	VSG10344	VSG10044
0-4000rpm	VSG10445	VSG10145	VSG10345	VSG10045
0-5000rpm	VSG10450	VSG10150	VSG10350	VSG10050

VSG instruments

Instrumentation available with a black plastic or chrome-plated brass bezel, in front-mount or rear-mount versions, ensuring flexible installation and integration into onboard instrument panels.

Strumentazione disponibile con ghiera in plastica nera o ottone cromato, nelle versioni per montaggio frontale o retroquadro, per garantire flessibilità di installazione e integrazione nei pannelli strumenti di bordo.









Models

40-120°C	VSG20xxx	0-5bar	VSG20xxx	8-16V	VSG20xxx	0-4/4 Fuel	VSG20xxx
50-150°C	VSG20xxx	0-10bar	VSG20xxx	16-32V	VSG20xxx	0-4/4 Water	VSG20xxx
		0-25bar	VSG20xxx			0-4/4 Waste	VSG20xxx

Technical features

Dimension	Ø52mm
Inputs	VDO (10-180Ω) / Veglia (300-10Ω)
Connection	3 x fast-on
Power supply	12V or 24V

Temperature sensors

1 pole



VDO calibration (10-180Ω)

Code	Range	Threading	Wrench
VSG40018	40-120°C	M14x1,5	19
VSG40018/1	40-120°C	M16x1,5	19
VSG40018/2	40-120°C	1/2” 14NPTF	19
VSG40018/1H	40-120°C	3/8” 18NPTF	19
VSG40019	50-150°C	M14x1,5	19

Veglia calibration (300-10Ω)

Code	Range	Threading	Wrench
VSG40020	40-120°C	M16x1,5	19
VSG40022	50-150°C	M14x1,5	19

Insulated return



VDO calibration (10-180Ω)

Code	Range	Threading	Wrench
VSG40018/PI	40-120°C	M14x1,5	19
VSG40018/P1S	40-120°C	5/8” 18UNF	19
VSG40019/PI	50-150°C	M14x1,5	19
VSG40019/P1S	50-150°C	M14x1,5	19

Veglia calibration (300-10Ω)

Code	Range	Threading	Wrench
VSG40026	50-150°C	M14x1,5	22

1 pole + alarm



VDO calibration (10-180Ω)

Code	Range	Threading	Alarm	Wrench
VSG40018/A	40-120°C	M14x1,5	96°C ± 1,5	19
VSG40018/A2	40-120°C	M14x1,5	103°C ± 1,5	22
VSG40018/A3	40-120°C	M14x1,5	105°C ± 1,5	22
VSG40018/A4	40-120°C	M14x1,5	110°C ± 1,5	22
VSG40018/A5	40-120°C	M16x1,5	96°C ± 1,5	22
VSG40019/A	50-150°C	M14x1,5	130°C ± 1,5	19

Veglia calibration (300-10Ω)

Code	Range	Threading	Alarm	Wrench
VSG40028	40-120°C	M16x1,5	107°C ± 1,5	22
VSG40028/2	40-120°C	M14x1,5	107°C ± 1,5	22
VSG40028/3	40-120°C	M14x1,5	100°C ± 1,5	22
VSG40028/5	40-120°C	M16x1,5	100°C ± 1,5	22
VSG40028/6	40-120°C	M14x1,5	105°C ± 1,5	22

Temperature switches

1 pole



Models

Code	Range	Threading	Wrench
VSG40169	65°C	M14x1,5	19
VSG40164	80°C	M14x1,5	22
VSG40170	92°C	M14x1,5	19
VSG40170/95	95°C	M14x1,5	22
VSG40170/110	110°C	M14x1,5	19
VSG40166	100°C	M14x1,5	19
VSG40166/1	100°C	M14x1,5	22
VSG40171	105°C	M14x1,5	19
VSG40174	107°C	M12x1,5	17
VSG40148	110°C	M16x1,5	19
VSG40148/1	110°C	M14x1,5	19
VSG40173	130°C	M14x1,5	22
VSG40173/2	135°C	M14x1,5	22

Insulated return



Models

Code	Range	Threading	Wrench
VSG40147	95°C	M14x1,5	24
VSG40147/1	95°C	1/8” 27NPTF	22
VSG40147/2	109°C	M16x1,5	22
VSG40167	100°C	M14x1,5	22
VSG40167/1	40°C	M14x1,5	22
VSG40167/2	100°C	M14x1,5	24
VSG40173/3	109°C	M14x1,5	22
VSG40167/3	82°C	M14x1,5	24
VSG40180/1	75°C	M22x1,5	29

Pressure sensors

1 pole



VDO calibration (10-180Ω)

Code	Range	Threading	Wrench
VSG40016	0-10bar	M10x1	17
VSG40016/1	0-10bar	1/8” 27NPTF	17
VSG40016/2	0-10bar	M14x1,5	19
VSG40017	0-25bar	M14x1,5	19

Veglia calibration (300-10Ω)

Code	Range	Threading	Wrench
VSG40030/1	0-8bar	M10x1 tapered	17
VSG40030/2	0-8bar	M10x1	17
VSG40031	0-8bar	M14x1,5	19
VSG40050/1	0-8bar	1/8”	14

Insulated return



VDO calibration (10-180Ω)

Code	Range	Threading	Wrench
VSG40013/PI	0-5bar	M10x1	17
VSG40015/PI	0-5bar	M10x1	17
VSG40016/PI	0-10bar	M10x1	17
VSG40017/PI	0-25bar	M14x1,5	19
VSG40017/P1	0-25bar	1/8” 27NPTF	17
VSG40036/V	0-25bar	M10x1	17

Veglia calibration (300-10Ω)

Code	Range	Threading	Wrench
VSG40036	0-24bar	M10x1	14

1 pole + alarm



VDO calibration (10-180Ω)

Code	Range	Threading	Alarm	Wrench
VSG40016/A7	0-10bar	M14x1,5	0,5bar ± 0,15	19
VSG40016/A5	0-10bar	1/8” 27NPTF	0,5bar ± 0,15	17
VSG40016/A6	0-10bar	M10x1	0,5bar ± 0,15	17
VSG40016/A14	0-10bar	M14x1,5	0,7bar ± 0,15	19
VSG40016/A15	0-10bar	1/8” 28BSPT	0,7bar ± 0,15	17
VSG40016/A4	0-10bar	1/8” 27NPTF	0,75bar ± 0,15	17
VSG40016/A	0-10bar	M10x1	0,9bar ± 0,15	17
VSG40016/A3	0-10bar	1/8” 27NPTF	0,9bar ± 0,15	17
VSG40016/A8	0-10bar	1/8” 27NPTF	1,25bar ± 0,15	17
VSG40016/A11	0-10bar	M18x1,5	2bar ± 0,15	24

Veglia calibration (300-10Ω)

Code	Range	Threading	Alarm	Wrench
VSG40030/3	0-8bar	M14x1,5	0,8bar ± 0,15	19
VSG40030/A	0-8bar	1/8” 27NPTF	0,8bar ± 0,15	17
VSG40030/A1	0-8bar	M10x1	0,8bar ± 0,15	17

Pressure switches

1 pole



Models

Code	Range	Threading	Wrench
VSG40401	0-3bar	M10x1	24
VSG40401/2	0-8bar	M10x1	24
VSG40401/4	0-1bar	M12x1	24
VSG40406	1bar	M12x1,5	21

Insulated return



Models

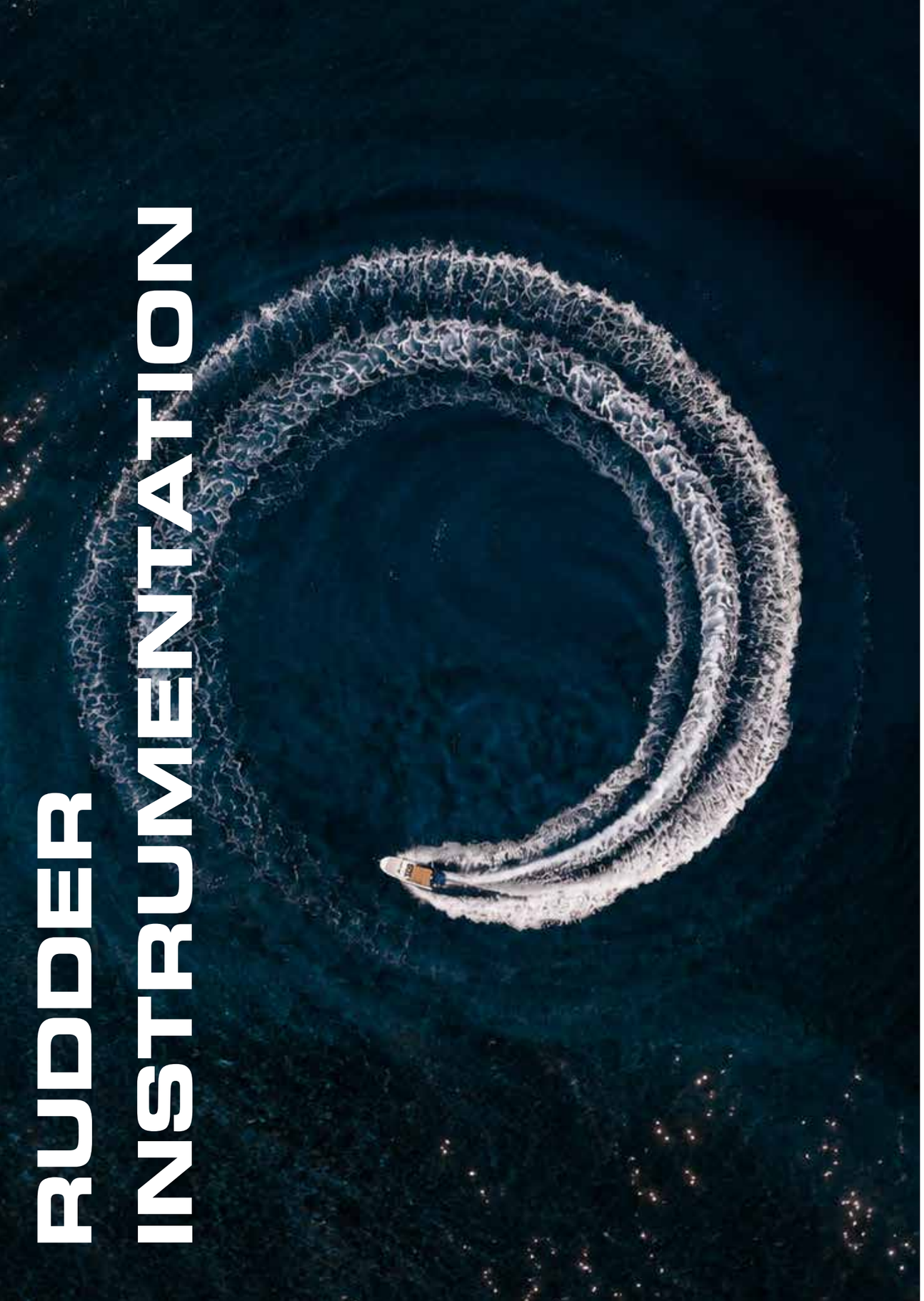
Code	Range	Threading	Wrench
VSG40411/1	0,5bar	M12x1,5	24
VSG40411/2	0,5bar	M10x1	24
VSG40412	0,2-2,5bar	M10x1	24
VSG40413	0,2-2,5bar	M10x1	24
VSG40414	5-50bar	M12x1	24
VSG40415	5-50bar	M10x1	24

Threading adaptors



Models

Code	Female threading	Male threading	Wrench
RAC80452	M10x1	M14x1,5	19
RAC80454	M10x1	M18x1,5	24
RAC80455	M10x1	M16x1,5	24
RAC80456	M10x1	1/4” 18NPTF	24
RAC80457	M10x1	3/8” 18NPTF	19
RAC80458	M14x1,5	M16x1,5	19
RAC80459	M14x1,5	M18x1,5	23
RAC80460	M14x1,5	3/8” 18NPTF	19
RAC80461	M14x1,5	1/2” 14NPTF	24
RAC80463	M14x1,5	1/2” 18NPTF	22
RAC80464	M14x1,5	M22x2	24



Round rudder angle indicators

MED APPROVED

Professional analog rudder angle indicators with MED approval for standard panel installation. Compatible with our rudder angle sensors.

Indicatori analogici professionali con approvazione MED per la misura dell'angolo di barra idonei al collegamento con i nostri sensori angolo di barra.



Technical features

Code	IAB20080
Dimension	Ø80mm
Inputs	CAN Bus / 4-20mA / 0-1KΩ
Connection	2 x Terminal blocks
Note	Reverse scale available



Technical features

Code	IAB20100
Dimension	Ø100mm
Inputs	CAN Bus / 4-20mA / 0-1KΩ
Connection	2 x Terminal blocks
Note	Reverse scale available

Square rudder angle indicators

MED APPROVED

Professional analog rudder angle indicators with MED approval available for standard panel installation. Compatible with our rudder angle sensors.

Indicatori analogici professionali con approvazione MED per la misura dell'angolo di barra idoneo al collegamento con i nostri sensori angolo di barra.

Technical features

Inputs	CAN Bus / 4-20mA / 0-1KΩ
Range	±45°
Connection	2 x Terminal blocks
Note	Reverse scale available



Models

Code	IAB17272
Dimension	72 x 72mm

Code	IAB19696
Dimension	96 x 96mm

Code	IAB14444
Dimension	144 x 144mm

Round rudder angle indicators

Professional analog indicators designed for precise and reliable rudder angle display. Compatible with our TAB sensors and CAN Bus and 4–20mA input signals, they offer various integration options for onboard instrumentation systems. The availability of different interfaces ensures flexible installation and optimal adaptation to the specific requirements of marine applications.

Indicatori analogici professionali progettati per la visualizzazione precisa e affidabile dell'angolo di barra. Compatibili con i nostri sensori TAB e con segnali di ingresso CAN Bus e 4–20mA, offrono diverse possibilità di integrazione nei sistemi di strumentazione di bordo. La disponibilità di differenti interfacce consente un'installazione flessibile e un adattamento ottimale alle specifiche esigenze dell'applicazione marina.

Technical features

Code	IAB12914
Dimension	Ø80mm
Range	±45°
Input	Transducer
Connection	2 x terminal blocks



Technical features

Code	IAB12591
Dimension	Ø100mm
Range	±45°
Input	Transducer
Connection	2 x terminal blocks



Technical features

Code	IAB11994
Dimension	Ø120mm
Range	±40°
Input	+5V
Connection	2 x terminal blocks



Double rudder angle indicator

Professional Ø100mm analog rudder angle indicator, equipped with a dual scale for RUDDER and SET POINT readings.

Indicatore analogico professionale Ø100mm per la misura dell'angolo di barra, dotato di una doppia scala per la lettura di RUDDER e SET POINT.

Technical features

Code	IAB13593
Dimension	Ø100mm
Range	±45° RUDDER / SET POINT
Inputs	4-20mA / 1kΩ / 0-5V
Connection	M12-12pin connector
Power supply	12/24V



Double rudder angle indicator

Professional Ø100mm analog rudder angle indicator, equipped with a dual scale for PORT indicator and STBD indicator readings.

Indicatore analogico professionale Ø100mm per la misura dell'angolo di barra, dotato di una doppia scala per la lettura di PORT indicator e STBD indicator.

Technical features

Code	IAB13594
Dimension	Ø100mm
Range	±45° PORT / STBD
Inputs	4-20mA / 1kΩ / 0-5V
Connection	M12-12pin connector
Power supply	12/24V



Ø85 OmniLink rudder angle indicators

The OmniLink line rudder angle indicator with a standard diameter of 52 mm or 85 mm is perfect for reading data from our rudder angle transducers.

L'indicatore angolo di barra della linea OmniLink dal diametro standard di 52mm o 85mm è perfetto per la lettura dei dati provenienti dai nostri trasduttori angolo di barra.





Models

Inputs	CAN Bus / 4-20mA / 0-1KΩ	10-180Ω	NMEA2000
RQ Black dial	VSG12496	VSG12496/V	VSG12496/N
RQ White dial	VSG12196	VSG12196/V	VSG12196/N
CR Black dial	VSG12396	VSG12396/V	VSG12396/N
CR White dial	VSG12096	VSG12096/V	VSG12096/N

Technical features

Dimension	Ø85mm
Dial	Black / White

Ø52 OmniLink rudder angle indicators

Technical features

Dimension	Ø52mm
Dial	Black / White
Pointer	Red / White





Master models

Inputs	CAN Bus / 0-1KΩ	10-180Ω	NMEA2000
RQ Black dial	VSG22496	VSG22496/V	VSG22496/N
RQ White dial	VSG22196	VSG22196/V	VSG22196/N
CR Black dial	VSG22396	VSG22396/V	VSG22396/N
CR White dial	VSG22096	VSG22096/V	VSG22096/N

Slave models

Inputs	CAN Bus / 0-1KΩ	10-180Ω
RQ Black dial	VSG22497	VSG22497/V
RQ White dial	VSG22197	VSG22197/V
CR Black dial	VSG22397	VSG22397/V
CR White dial	VSG22097	VSG22097/V

Rudder angle sensors

The rudder angle sensors are made of a high resistance polymeric case and a selected potentiometer that provides high reliability and long operating life.

I sensori angolo barra sono costituiti da una cassa in plastica ad alta resistenza ed un speciale potenziometro selezionato che garantisce elevata precisione ed affidabilità.



Models

Code	VSG40043	VSG40043/IT
Output	1kΩ	0-5V
Case	Black plastic	Black plastic

Rudder angle transmitters designed to be easily installed and to operate for a long time in professional applications.

Trasmettitori angolo di barra, studiati per essere installati con facilità e resistere a lungo nell'impiego professionale.



Models

Code	TAB40205/MED	TAB40205	TAB40205/20
Output	0-1kΩ	0-1kΩ	4-20mA
Case	Black brass	Grey plastic	Grey plastic
Note	MED Approved	-	-

Rudder angle transmitters designed for naval and professional applications.

Trasmettitori angolo di barra progettati per applicazioni navali e professionali.



Models

Code	TAB40204	TAB40210	TAB40234
Output	0-1kΩ	0-1kΩ	4-20mA
Note	MED Approved	-	MED Approved



Flap angle position indicators

Professional analog indicators for measuring flap angle, suitable for connection with our sensors. They use advanced microprocessor technology and new LED backlighting with electronic control.

Strumenti analogici professionali per la misurazione angolo flap idonei al collegamento con i nostri sensori. Utilizzano un'avanzata tecnologia a microprocessore ed una nuova retroilluminazione a LED con controllo elettronico.



Technical features

Code	IAF13919
Dimension	Ø80mm
Input	TAF40209



Technical features

Code	IAF13938
Dimension	Ø100mm
Input	TAF40209



Technical features

Code	VSG22x83/B "PORT"
Dimension	Ø52mm
Input	Bennet sensor



Technical features

Code	VSG22x84/B "STBD"
Dimension	Ø52mm
Input	Bennet sensor

Trim angle position indicators



Technical features

Code	VSG22x81 "PORT"
Dimension	Ø52mm
Inputs	Arneson / Mercruiser sensors



Technical features

Code	VSG22x82 "STBD"
Dimension	Ø52mm
Inputs	Arneson / Mercruiser sensors

Flap / Trim angle position sensors

The sensors are made of a high resistance plastic case, a precise potentiometer and an electronic measuring circuit.

I sensori sono composti da una custodia in plastica ad alta resistenza, un potenziometro di precisione e un circuito elettronico di misura.

Technical features

Dimension	Ø84mm
Power supply	12/24V



Models

Code	TAF40209	Code	TAF40209/SC	Code	VSG40045
Output	Custom	Output	4-20mA	Output	Custom

Housed flap angle transducer

Flap angle sensors in a return spring housing for heavy-duty marine applications.

Sensori angolo flap integrati in una cassa con molla di richiamo, progettati per le applicazioni navali più gravose.

Technical features

Code	TAF40209/SC
Case dimension	232 x 182mm
Case material	ABS
Power supply	12/24V



Kit angle measuring installation

Kit designed to transmit the linear movement of the cylinder to the potentiometer or indicator. Compatible with all types of trim tab systems.

Kit progettato per trasmettere il movimento lineare del cilindro al potenziometro o all'indicatore. Compatibile con qualsiasi tipo di impianto flap.

Technical features

Code	TAF40209/CA





Angular position instrument

Professional instrument for measuring the angular position on 0-360° in the Ø100mm dimension. Available with 0,5-4,5V input and 12/24V power supply.

Strumento professionale per la misurazione della posizione angolare su 0-360° nella dimensione Ø100mm. Disponibile con ingresso 0,5-4,5V e alimentazione 12/24V.

Technical features

Code	IPA10540/1
Dimension	Ø100mm
Range	0-360°
Input	0,5V-4,5V



Angular position transmitter

360° angular position transmitter with a 0,5–4,5V analog output, ideal for precise and reliable position detection in automation and control applications.

Trasmettitore di posizione angolare a 360° con uscita analogica 0,5–4,5V, ideale per il rilevamento preciso e affidabile della posizione in applicazioni di automazione e controllo.

Technical features

Code	TPA40581/1
Output	0,5V-4,5V
Power supply	9/32V





VSG level sensors

High precision fuel and liquid level sensor, specifically designed for nautical applications and entirely made in AISI 316 stainless steel. It ensures maximum compatibility with petrol, diesel, and water. The sensor is available in all major calibration standards: VSG (300-10Ω), European (10-180Ω or 90-0Ω), American (240-30Ω), and Volvo system (3-180Ω).

Sensore di livello ad alta precisione, progettato specificamente per l'uso navale e realizzato in robusto acciaio inox AISI 316. Garantisce la massima compatibilità con benzina, gasolio e acqua. Il sensore è disponibile con i principali standard di taratura: VSG (300-10Ω), Europea (10-180Ω o 90-0Ω), Americana (240-30Ω) e sistema Volvo (3-180Ω).

Fuel | Oil | Fresh water | Grey water | Waste water



Technical features

Type approval	UNI EN ISO 8846
Flange	Ø70mm - 5 holes
Floats	Ø35mm - NBR (Fuel / Fresh water)
	Ø40mm - Stainless steel AISI 316 (Grey water / Black water)
Accuracy	6,25mm (micro reed) / 12,5mm (reduced reed) / 25mm (standard reed)
Mounting	Vertical / Side
Length	On demand

Models

Calibration	10-180Ω	300-10Ω	240-30Ω	90-0Ω	3-180Ω
0 contact	VSG407xx/V	VSG407xx	VSG407xx/A	VSG407xx/VT	VSG407xx/VP
1 contact	VSG407xx/V1	VSG407xx/1	VSG407xx/A1	VSG407xx/VT1	VSG407xx/VP1
2 contacts	VSG407xx/V2	VSG407xx/2	VSG407xx/A2	VSG407xx/VT2	VSG407xx/VP2
3 contacts	VSG407xx/V3	VSG407xx/3	VSG407xx/A3	VSG407xx/VT3	VSG407xx/VP3

We tailor every project to your needs, ensuring maximum accuracy based on your specific requirements.

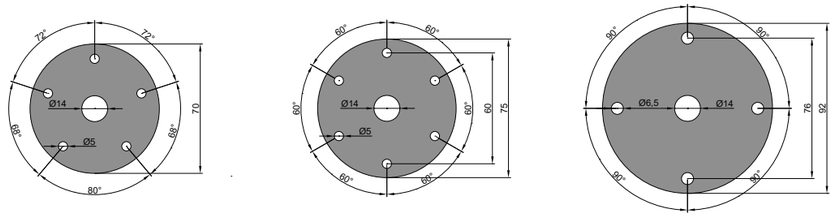
Tailor made level sensors

We designed the first level sensor with reed relay technology in 1970 and since then we never stop improving the quality of this item. The working principle is simple and based on the magnetic coupling between a magnet placed in the float and a static reed electronic circuit in the sensor pipe.

Abbiamo progettato la prima sonda di livello in tecnologia reed nel 1970 e da allora non abbiamo mai smesso di migliorare la qualità di questo prodotto. Il principio di funzionamento è semplice e si basa sull'accoppiamento magnetico tra il galleggiante che contiene un magnete e il circuito a reed interno.

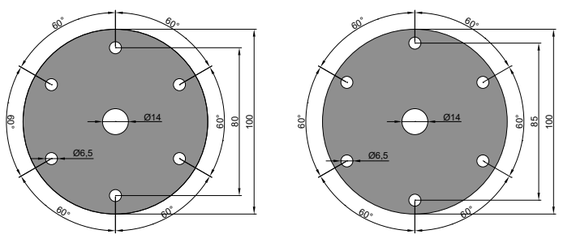


Flanges



Models

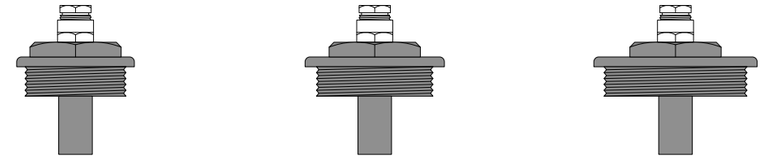
Code	TIL83017	TIL83025	TIL83021/1
Dimension	Ø70mm	Ø75mm	Ø92mm
Bolt circle	Ø53mm	Ø60mm	Ø76mm
Material	AISI 304 Stainless Steel	AISI 304 Stainless Steel	AISI 316 Stainless Steel



Models

Code	TIL83015/1	TIL83015
Dimension	Ø100mm	Ø100mm
Bolt circle	Ø80mm (VDO)	Ø85mm (TIL)
Material	AISI 304 Stainless Steel	AISI 304 Stainless Steel

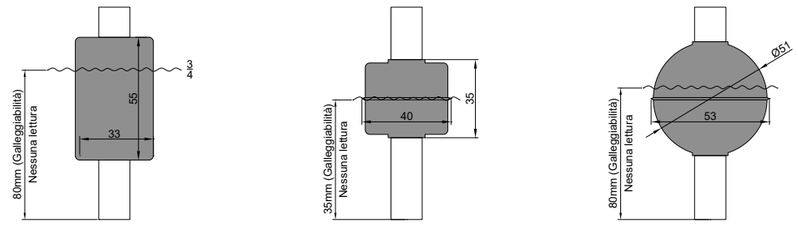
Threaded plugs



Models

Code	RAC80430/1	RAC80431	RAC80433/1
Dimension	1" 1/4	1" 1/2	2"
Material	Brass	Brass	Brass

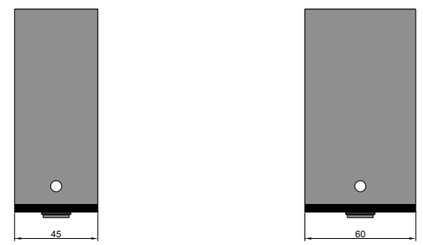
Floats



Models

Code	GAL70600	GAL70502	GAL70500
Dimension	Ø35mm	Ø40mm	Ø53mm
Material	NBR Plastic	AISI 316 Stainless Steel	AISI 316 Stainless Steel
Fluids	Fuel / Water	Water	Waste

Damper pipe



Models

Dimension	Ø45mm	Ø60mm
Material	Aluminium	Aluminium

TIL vertical mounting level sensors

Vertical level sensors with RINA approval designed for marine use in stainless steel. It is possible to add up to 4 alarm contacts for low and/or high level. Compatible with fuel, diesel and water.

Sensori di livello verticale con omologazione RINA progettati per uso marino in acciaio inox. E' possibile aggiungere fino a 4 contatti di allarme per basso e/o alto livello. Compatibile con benzina, gasolio ed acqua.

Technical features

Type approval	UNI EN ISO 8846
Output	∞ (Empty) - 6800Ω (Full)
Flange	Ø100mm - 6 holes
Floats	Ø35mm - NBR / Ø40mm - Stainless steel AISI 316
Mounting	Vertical
Length	On demand



Models

Length	0 contact	1 contact	2 contacts	3 contacts
0..1000mm	TIL40335	TIL40335/1	TIL40335/2	TIL40335/3
1001..2000mm	TIL40336	TIL40336/1	TIL40336/2	TIL40336/3
2001..3000mm	TIL40337	TIL40337/1	TIL40337/2	TIL40337/3

TIL side mounting level sensors

Professional level sensors for side installation with RINA approval designed for marine use in AISI 316 stainless steel material and high resolution reed. It is possible to add up to 4 alarm contacts for low and/or high level.

Sensori di livello ad installazione laterale con omologazione RINA progettati per uso marino in acciaio inox AISI 316 e reed ad alta risoluzione. È possibile aggiungere fino a 4 contatti di allarme per basso e/o alto livello.

Technical features

Type approval	UNI EN ISO 8846
Output	∞ (Empty) - 6800Ω (Full)
Flange	Ø100mm - 6 holes
Floats	Ø35mm - NBR / Ø40mm - Stainless steel AISI 316
Mounting	Side
Length	On demand



Models

Length	0 contact	1 contact	2 contacts	3 contacts
0..1000mm	TIL40335/90	TIL40335/91	TIL40335/92	TIL40335/93
1001..2000mm	TIL40336/90	TIL40336/91	TIL40336/92	TIL40336/93
2001..3000mm	TIL40337/90	TIL40337/91	TIL40337/92	TIL40337/93

Visual level sensors

Visual level sensors for water and fuel showing the current level with red and white coloured paddles. The magnetic coupling avoids the use of electronic circuit and does not require any power supply. The length and type of tank mounting are customizable upon customer request.

Sensori di livello visivo per acqua e carburante che indicano il livello del serbatoio mediante alette colorate rosse e bianche. L'accoppiamento magnetico evita l'utilizzo di un circuito elettronico e non richiede alimentazione. La lunghezza e la tipologia di fissaggio al serbatoio sono personalizzabili su richiesta del cliente.

1" visual level sensor

Technical features

Code	TIL40352
Dimension	Ø1"
Length	0-3000mm
Optional outputs	ON/OFF 4-20mA with TMA40428
Tank connections	DN25 PN16 flange Male / female threaded plug
Closure	DN25 PN16 blind flange Plug
Float	Ø26mm / H=225mm
Fluids	Water/ Oil / Diesel



2" visual level sensor

Technical features

Code	TIL40353
Dimension	Ø2"
Length	0-3000mm
Optional outputs	ON/OFF 4-20mA with TMA40428
Tank connections	DN25 PN16 flange Male / female threaded plug
Closure	DN25 PN16 blind flange Plug
Float	Ø50mm / H=300mm
Fluids	Water/ Oil / Diesel



NMEA2000 level sensors

NMEA2000 level sensors provide tank data directly to state-of-the-art plotters via the existing NMEA2000 network. They are compatible with fuel, fresh water, grey water or black water. The installation and configuration of the sensor can be easily carried out by the operator.

I sensori di livello NMEA2000 forniscono i dati del serbatoio direttamente sui plotter di ultima generazione tramite il collegamento alla rete NMEA2000 esistente. Possono essere utilizzati per benzina, acqua dolce, acque grigie o acque nere. L'installazione e la configurazione del sensore possono essere eseguite facilmente dall'operatore.

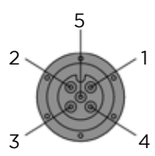


Technical features

Output	NMEA2000
Flange	Ø70mm - 5 holes
	Ø100mm - 6 holes
Float	Ø35mm - NBR
	Ø40mm - Stainless steel AISI 316
Cable length	1m
Converter dimension	80 x 60 x 30mm
PGN NMEA2000	127505
Length	On demand

Models

Code	VSG407xx/NF	VSG407xx/NW	VSG407xx/NG	VSG407xx/NB
Function	Fuel	Water	Grey water	Black water
Fluid ID N2K	0	1	2	5



NMEA2000 connection

1 Shield
2 NET-S (+V Power supply)
3 NET-C (-V Power supply)
4 NET-H (CAN-H)
5 NET-L (CAN-L)

NMEA2000 level converters

Level sender converters with resistive input and NMEA2000 output. The new configuration allows modifying the input type (10-180Ω or 300-10Ω), fluid type, and "device instance" directly on board. Selection is made via a dip-switch located inside the enclosure.

Convertitori per sonde di livello con ingresso resistivo e uscita NMEA2000. La nuova configurazione permette di modificare la tipologia di ingresso (10-180Ω o 300-10Ω), il tipo di fluido e il "device instance" direttamente a bordo. La selezione avviene tramite un dip-switch integrato all'interno della cassetta.

Technical features

Dimension	80 x 60 x 30mm
Output	NMEA2000
PGN	127505



Models

Code	UNS20800/F	UNS20800/W	UNS20800/G	UNS20800/B
	10-180Ω (VDO)	10-180Ω (VDO)	10-180Ω (VDO)	10-180Ω (VDO)
	300-10Ω (Veglia)	300-10Ω (Veglia)	300-10Ω (Veglia)	300-10Ω (Veglia)
	UNS20800/FA	UNS20800/WA	UNS20800/GA	UNS20800/BA
	240-30Ω (American)	240-30Ω (American)	240-30Ω (American)	240-30Ω (American)
	UNS20810/F	UNS20810/W	UNS20810/G	UNS20810/B
	∞-6800Ω (TIL)	∞-6800Ω (TIL)	∞-6800Ω (TIL)	∞-6800Ω (TIL)
Function	Fuel	Water	Grey water	Black water
Fluid	0	1	2	5

Do you need to connect the converter to the NMEA2000 network? You can do so using our NMEA2000 cable assemblies with M12 5-pin connectors.

NMEA2000 buzzer

NMEA2000 buzzer with an M12 5-pin connector, integrated into a quick-mount housing. The alarm is triggered via proprietary PGN 65280 (Instance 1), specifically at Byte 8, Bit 0, with a length of 3 bits.

Suoneria NMEA2000 con connettore M12 a 5 pin, integrato in una custodia per montaggio rapido. La suoneria viene attivata tramite il PGN proprietario 65280 (Instance 1), nello specifico al Byte 8, Bit 0, con una lunghezza di 3 bit.

Technical features

Code	UNS20800/AL
Dimension	80 x 60 x 30mm
Ringtone volume	90dB
Output	NMEA2000 - PGN 65280



4-20mA level sensors

Level sensors in AISI 316 stainless steel with 4-20mA output with 1 meter of cable and external converter. The use of materials adapted to the environment allows for their employment in various liquids.

Sensori di livello in acciaio inox AISI 316 con uscita 4-20mA forniti con 1 metro di cavo completo di convertitore esterno. L'adozione di materiali adattati all'ambiente consentono l'impiego in diversi liquidi.

Technical features

Output	4-20mA
Flange	Ø70mm - 5 holes
Float	Ø35mm - NBR
Converter dimension	80 x 60 x 30mm
Length	On demand



Models

Code	VSG407xx/20	Code	VSG407xx/21	Code	VSG407xx/22
Contact	0	Contact	1	Contacts	2

4-20mA level converter

Enclosed signal converter for fuel level monitoring, featuring a 10–180Ω resistive input and a 4–20mA analog output, ideal for integration into level control systems. Available in configurations with 1, 2, or 3 contacts to meet different application requirements.

Convertitore di segnale in cassa per il monitoraggio del livello carburante, con ingresso resistivo da 10–180Ω e uscita analogica 4–20mA, ideale per l'integrazione nei sistemi di controllo di livello. Disponibile in configurazioni con 1, 2 o 3 contatti per soddisfare diverse esigenze applicative.

Technical features

Code	COV13040
Dimension	80 x 60 x 30mm
Input	10-180Ω sensor
Output	4-20mA



CANopen level sensors

High-precision marine-grade level sensors, featuring a CANopen interface on an M12 5-pin connector and compatible with both water and diesel.

Sensori di livello per uso navale ad alta precisione, dotati di interfaccia CANopen su connettore M12-5pin e compatibili sia con acqua che con gasolio.



Technical features

Code	VSG40697/xxC
Flanges	Ø100mm - 6 holes
	Ø70mm - 5 holes
Float	Ø35mm - NBR
Mounting	Vertical
Protocol	CANopen
	Node ID: 126 (diesel) / 127 (water)
	PDO: 0x180h + Node ID
	Speed: 250Kbs
	Heartbeat: 1 second
Length	On demand

Level sensors with indicator

AISI 316 stainless steel visual level indicator, equipped with a Ø52mm backlit dial. The device features a built-in 9V battery for power supply.

Indicatore visivo di livello in acciaio inox AISI 316, dotato di quadrante retroilluminato da Ø52mm. Il dispositivo integra una batteria interna da 9V per l'alimentazione.



Technical features

Flanges	Ø100mm - 6 holes
	Ø70mm - 5 holes
Float	Ø35mm - NBR
Mounting	Vertical
Power supply	9V battery / power button
Optional assembly	Damper pipe
Length	On demand

Models

Code	TIL4032x
Description	ON/OFF button
Power supply	9V Internal battery
Code	TIL4032x
Description	M12-5pin connector
Power supply	No 9V Internal battery

Submersible pressure level sensors

RINA APPROVED

Submersible pressure level sensors, compatible with water, waste and diesel fuel. Two-wire 4-20mA current output. Power supply 12/24V

Sensori di livello a pressione ad immersione, compatibili con acqua, acque nere e gasolio. Uscita in corrente 4-20mA a due fili. Alimentazione 12/24V.

Models

Length	0-1000mm	0-2500mm	0-3000mm	0-5000mm
Code	TMA40427/1	TMA40427	TMA40427/3A	TMA40427/5

Other pressure values on request



Installation accessories

Flange and pipe for submersible pressure level sensor installation.
Flangia e tubo per l'installazione del sensore di livello a pressione ad immersione.

Models

Flange	Ø70mm	Ø100mm	1" 1/2	1" 1/4	2"
Code	MET81500/7	MET81500/1	MET81500/12	MET81500/14	MET81500/2



Pressure level sensors

RINA APPROVED

Pressure level sensors for external installation, compatible with fuel, fresh water and waste. Continuous level measurement with 0,5% accuracy of full scale. Two-wire 4-20mA output.

Sensori di livello a pressione ad installazione esterna, compatibili con gasolio, acqua, acque nere. Misurazione continua del livello con precisione dello 0,5% a fondo scala. Uscita in corrente 4-20mA a due fili.

Technical features

Output	4-20mA
Compatible fluids	Fuel / Fresh water / Waste



Models

Water column	0-1000mm (0-0,10bar -> 4-20mA)	0-2000mm (0-0,20bar -> 4-20mA)	0-2500mm (0-0,25bar -> 4-20mA)	0-3000mm (0-0,30bar -> 4-20mA)
Code	TMA40428/1	TMA40428/2	TMA40428	TMA40428/3

Other pressure values on request

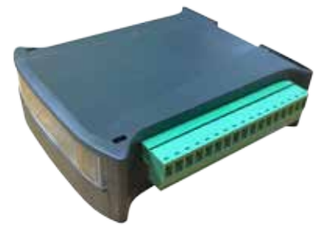
Signal converters

Signal converters with VDO / TIL / 4-20mA input and multiple outputs to drive level instruments and automation systems.

Convertitori di segnale con ingresso VDO / TIL / 4-20mA ed uscite multiple per comando strumenti di livello e sistemi di automazione.

Technical features

Dimension	102 x 101 x 35mm
Power supply	12/24V



Models

Code	COV13020/VDO
Input	10-180Ω
Outputs	0-1V / 4-20mA

Code	COV13020/L
Input	∞-6800Ω
Outputs	0-1V / 4-20mA

Code	COV13020/SL
Input	4-20mA
Outputs	0-1V / 4-20mA

Level sensors converters

Multifunction converters designed to convert analog level sensor signals into NMEA2000 and CANopen communication protocols, enabling integration into digital monitoring systems.

Convertitori multifunzione progettati per convertire i segnali dei sensori di livello analogici nei protocolli di comunicazione NMEA2000 e CANopen, consentendone l'integrazione nei sistemi digitali di monitoraggio.

Technical features

Dimension	133 x 118 x 35mm
Connection	2 x Deutsch 12pin
Power supply	12/24V



Models

Code	UNS12200/A
Inputs	4 x 10-180Ω 1 x Frequency
Output	NMEA2000

Code	UNS12200/AF
Inputs	2 x 10-180Ω 2 x 4-20mA
Output	CANopen

LEVEL SWITCHES



Vertical mounting level switches

RINA APPROVED

Stainless steel level switches with normally open and normally closed contacts, which can be positioned along the height of the level sensor. Maximum contact capacity 200mA and vertical mounting.

Livellostati in acciaio inox con contatti normalmente aperti e normalmente chiusi, posizionabili lungo l'altezza della sonda. Portata massima del contatto 200mA e montaggio verticale.

Technical features

Type approval	UNI EN ISO 8846
Output	ON / OFF
Flange	Ø100mm - 6 holes
Floats	Ø35mm - NBR / Ø40mm - Stainless steel AISI 316
Mounting	Vertical
Length	On demand



Models

Length	1 contact	2 contacts	3 contacts	4 contacts
0..1000mm	TIL40355	TIL40360	TIL40365	TIL40370
1001..2000mm	TIL40354	TIL40361	TIL40366	TIL40367

Side mounting level switches

RINA APPROVED

Stainless steel level switches with normally open and normally closed contacts, which can be positioned along the height of the level sensor. Maximum contact capacity 200mA and side mounting.

Livellostati in acciaio inox con contatti normalmente aperti e normalmente chiusi, posizionabili lungo l'altezza della sonda. Portata massima del contatto 200mA e montaggio laterale.

Technical features

Type approval	UNI EN ISO 8846
Output	ON / OFF
Flange	Ø100mm - 6 holes
Floats	Ø35mm - NBR / Ø40mm - Stainless steel AISI 316
Mounting	Side
Length	On demand



Models

Length	1 contact	2 contacts	3 contacts	4 contacts
0..1000mm	TIL40355/90	TIL40360/90	TIL40365/90	TIL40370/90
1001..2000mm	TIL40354/90	TIL40361/90	TIL40366/90	TIL40367/90

Vertical mounting bilge level switches

Stainless steel level switches with normally open and normally closed contacts, which can be positioned along the height of the level sensor. Maximum contact capacity 200mA. Available with vertical, side or with damper pipe.

Livellostati in acciaio inox con contatti normalmente aperti e normalmente chiusi, posizionabili lungo l'altezza della sonda. Portata massima del contatto 200mA. Disponibile con montaggio verticale, laterale o tubo di calma.

Technical features

Flange	Ø70mm / Ø92mm / Ø100mm
Threaded plug	1" 1/4 - 1" 1/2 - 2"
Floats	Ø35mm - NBR
	Ø40mm - Stainless steel AISI 316

Models

Length	Mounting	Note	Code
100mm	Vertical	-	TIL40682
100mm	Vertical	Damper pipe	TIL40682/C



Side mounting bilge level switches

Bilge high-level alarm switch featuring a normally open (NO) contact that closes upon alarm. Configuration available with side mounting and stilling well.

Livellostati per allarme alto livello sentina dotato di contatto normalmente aperto (NA) che si chiude in caso di allarme. Configurazione disponibile con montaggio laterale e tubo di calma.

Technical features

Floats	Ø35mm - NBR
	Ø40mm - Stainless steel AISI 316

Models

Length	Mounting	Note	Code
100mm	Side	-	TIL40682/L
100mm	Side	Damper pipe	TIL40682/LC



Compact level switch

Compact level switch made of plastic, featuring a normally open or normally closed contact, configurable according to the float mounting position.

Livellostato compatto in materiale plastico, dotato di contatto normalmente aperto o chiuso, configurabile in base alla modalità di montaggio del galleggiante.

Technical features

Code	VSG40059/1
Float	Ø25mm
Threading	M12x1
Length	55mm
Cable	2m



Static level switch

Static level switch equipped with three normally open platinum contacts, designed for use in black and grey water applications. Contact height can be customized upon request.

Livellostato statico dotato di tre contatti normalmente aperti in platino, progettato per l'utilizzo in acque nere e grigie. Altezza dei contatti personalizzabile su richiesta.

Technical features

Code	TIL40368
Flange	Ø100mm - 6 holes
Contact	1 / 2 / 3
Nominal current	1A
Power supply	24V
Length	On demand





Fuel consumption instruments

Multifunction instrument with integrated LCD display for viewing and monitoring the vessel's fuel consumption.

Strumento multifunzione con display LCD integrato per la visualizzazione e il monitoraggio dei consumi di carburante dell'imbarcazione.



Models

Maximum flow	Continuous flow	Threading	Code
80l/h	50l/h	G 1/8"	ITC12277/04
200l/h	135l/h	G 1/4"	ITC12277/08
400l/h	400l/h	G 3/4"	ITC12277/10
600l/h	400l/h	G 3/4"	ITC12277/15
1500l/h	1000l/h	G 1"	ITC12277/20

Technical features

Dimension	Ø85mm
Inputs / Outputs	1 x CAN Bus J1939 / 1 x NMEA0183 / 2 x TPO sensors / 1 x Buzzer

Ultrasonic sensor

The ultrasonic sensor can detect and manage all types of fluids, materials and hose sizes. Stable signal transmission is essential for constant detection stability.

Il sensore ad ultrasuoni può rilevare e gestire tutte le tipologie di fluidi, materiali e dimensioni dei tubi. La trasmissione stabile del segnale è essenziale per la stabilità costante del rilevamento.



Flow sensor / switch

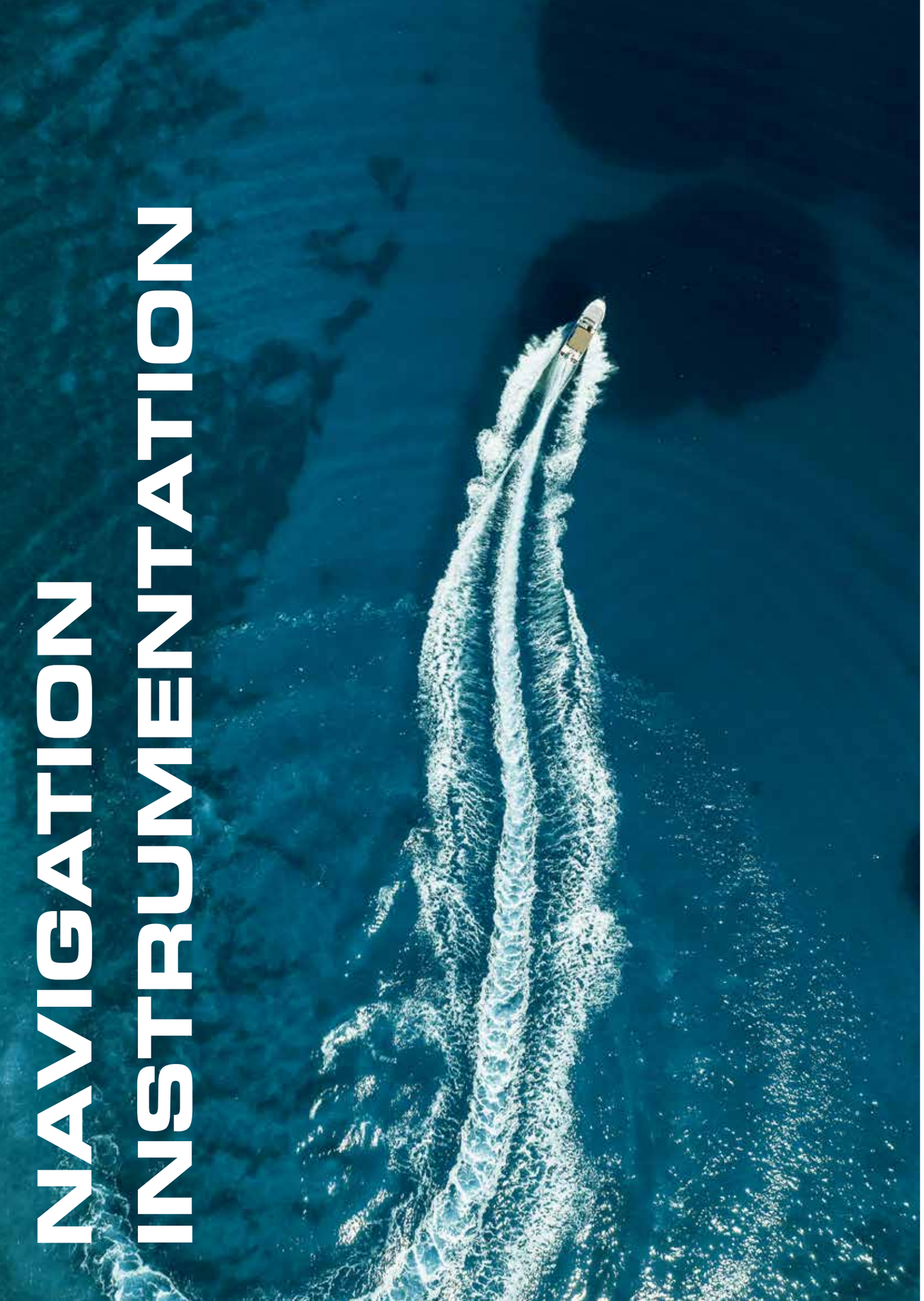
Sensor for monitoring water flow with low energy consumption and low maintenance requirements. It is equipped with both an ON/OFF output with adjustable threshold and a frequency output for continuous flow measurement.

Sensore per il monitoraggio del flusso d'acqua con basso consumo energetico e bassa manutenzione richiesta. È dotato sia di uscita ON/OFF con soglia regolabile che uscita in frequenza per una misurazione continua del flusso.

Technical features

Code	TPO40064
Outputs	1 x ON/OFF / 1 x Frequency
Threading	G1" A (Nipple 38mm)
Power supply	7/30V





Wind direction instrument

Ø100mm wind direction instrument with an integrated synchro motor to drive the pointer. 0,5-4,5V or NMEA0183 input.

Strumento direzione del vento Ø100mm per uso navale con motorino stepper incorporato per la rotazione dell'indice. Ingresso 0,5V-4,5V o NMEA0183.

Technical features

Code	ANM10063/1
Dimension	Ø100mm
Range	0-360°
Inputs	0,5-4,5V / NMEA0183



Wind speed instrument

Ø100mm wind speed instrument with dual scales in knots and km/h. Scale on 240° and 12/24 power supply.

Strumento di velocità del vento Ø100mm per uso navale con doppia scala in nodi e km/h. Movimento stepper su 240° e alimentazione 12/24V.

Technical features

Code	ANM10062
Dimension	Ø100mm
Range	0-140Km/h / 0-80Kn
Inputs	TAN40136/1 / TAN40139



Wind speed and direction instrument

Combined wind speed (on LCD screen) and wind direction instrument for professional, marine, and industrial applications. The product is associated with our TAN40136/1 combined professional wind speed and direction transducer.

Strumento combinato velocità (su schermo LCD) e direzione del vento per applicazioni professionali, navali ed industriali. Il prodotto viene associato al nostro trasduttore combinato professionale TAN40136/1 per la velocità e direzione vento.

Technical features

Code	ANM10013/1
Dimension	Ø120mm
Range	0-360° / 0-99Kn
Output	NMEA0183



Wind speed and direction sensor

Combined wind speed and direction transducer with hall effect sensor and three-windings potentiometer. The dual-arm structure ensures greater resistance to vibrations.

Trasduttore combinato velocità e direzione vento con sensore effetto hall e potenziometro a tre avvolgimenti. La struttura a doppio braccio garantisce una maggiore resistenza alle vibrazioni.

Technical features

Code	TAN40136/1
Dimension	375 x 250mm
Output	Speed (1Hz/Knots) Direction (0,5-4,5V on 360°)
Power supply	24V



Wind speed sensor

The cup anemometers are constructed from aluminum, featuring a rotor that spins on high-performance micro ball bearings. The dual-arm structure ensures greater resistance to vibrations.

Gli anemometri a coppette sono costruiti in alluminio con rotore ruotante su micro cuscinetti a sfera ad alte prestazioni. La struttura a doppio braccio garantisce una maggiore resistenza alle vibrazioni.

Technical features

Code	TAN40139
Dimension	260 x 250mm
Output	Speed (1Hz/Knots)
Power supply	24V



Weather instruments

Discover our range of 96 x 96mm thermometers, barometers, hygrometers, and anemometers. A complete line designed for the marine environment and built to withstand the most challenging conditions over time.

Scopri la nostra gamma di termometri, barometri, igrometri e anemometri da 96 x 96mm. Una linea completa progettata per l'ambiente marino e costruita per resistere nel tempo alle condizioni più sfidanti.

Models

Description	Range	Code
Thermometer	-20 +80°C	TAE19696/A
Barometer	800-1200mbar	BAR19696
Hygrometer	0-100%	IGR19696
Anemometer	0-80Knots	ANM19696



Weather sensors

Transmitters for measuring relative humidity, temperature, and pressure, designed to ensure reliable monitoring of environmental parameters and precise control of air conditioning and ventilation systems in marine applications.

Trasmettitori per la misurazione di umidità relativa, temperatura e pressione, progettati per garantire un monitoraggio affidabile dei parametri ambientali e un controllo preciso dei sistemi di climatizzazione e ventilazione in ambito marino.



Technical features

Code	ANM12001
Range	Humidity 0-95% Temperature 0 +50°C
Outputs	2 x 4-20mA
Power supply	24V



Technical features

Code	TMA40429
Range	800-1200mbar
Output	4-20mA
Power supply	12/24V

Temperature instrument and pyrometers

Ø52mm instruments with DirectDigital technology that allows to combine in the same product the analog look and the digital accuracy and reliability. New LED dimmable backlighting.

Strumenti Ø52mm con tecnologia DirectDigital che permette di combinare l'intuitività e la facilità di lettura di uno strumento analogico con la precisione di uno strumento digitale. Nuova retroilluminazione a LED con intensità regolabile.



Technical features

Code	TAS12610
Input	PT100



Technical features

Codes	TGS12906/J	"J" input (0-750°C)
	TGS12906/K	"K" input (0-1200°C)

Digital thermometer and pyrometer

Digital thermometer designed for temperature monitoring in engine control systems, featuring dual alarm outputs with adjustable activation thresholds to meet specific application requirements. The unit is programmable to support various types of input sensors, ensuring configuration flexibility and adaptability to different systems and applications.

Termometro digitale progettato per il monitoraggio della temperatura nei sistemi di controllo motore, dotato di doppia uscita di allarme con soglie di intervento regolabili in base alle specifiche esigenze applicative. L'unità è programmabile per supportare diverse tipologie di sensori di ingresso, garantendo flessibilità di configurazione e adattabilità a differenti impianti e applicazioni.

Technical features

Code	REG11659/2
Dimension	48 x 48 x 105mm
Range	-50 +750°C
Inputs	1 x Thermocouple J / K / PT100 / PT1000
Outputs	2 x ON/OFF (programmable thresholds)



Temperature sensors

Exhaust gas temperature sensors, available in type "J" (Fe-CuNi) for temperatures up to 750°C and type "K" (CrAl-NiAl) for temperatures up to 1200°C.

Sensori per la lettura della temperatura gas di scarico disponibili nella versione "J" (Fe-CuNi) ideali per temperature fino a 750°C e tipo "K" (CrAl-NiAl) ideali per temperature fino a 1200°C.



Technical features

Code	TCC40525
Input	"J" (0-750°C)
Threading	On demand



Technical features

Code	TCC40530
Input	"K" (0-1200°C)
Threading	On demand

PT100 / SS141 temperature sensors

High precision temperature sensors for temperature monitoring in marine or industrial systems. Available with PT100 or SS141 technology.

Sensori di temperatura ad alta precisione per il rilevamento della temperatura in impianti navali o industriali. Disponibili con tecnologia PT100 o SS141.

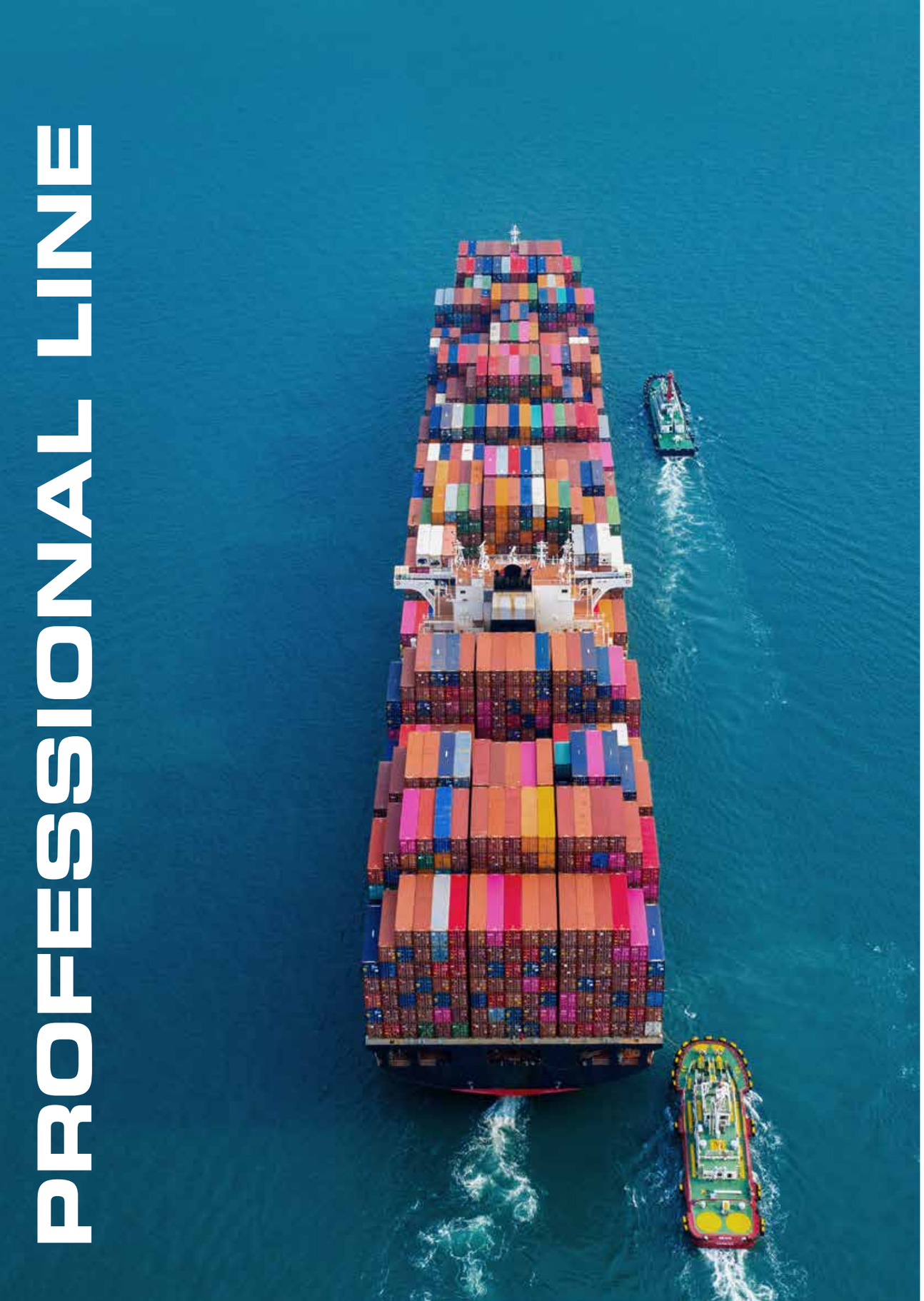
Technical features

Range	±150°C
Threading	M14x1,5 / M18x1,5
Sensor	Ø8,5mm
Accuracy	1%



Models

Code	TTR40450	TTR40480	TTR40459	TTR40459/A
Type	PT100	PT100	SS141	SS141
Note	-	Ambient	-	Ambient



Professional indicators

Professional range of analog instruments designed for monitoring and displaying fuel and water tank levels on board. They provide clear and immediate level readings, ensuring reliable and accurate data indication. Compatible with our TIL level sensors and various signal types, including CAN Bus, 4-20mA and resistive signals, they offer versatile integration into marine instrumentation systems.

Linea di strumenti analogici professionali progettati per la lettura e il monitoraggio del livello di carburante e acqua a bordo. Offrono un'indicazione chiara e immediata dei livelli dei serbatoi, garantendo affidabilità e precisione nella lettura dei dati. Sono compatibili con i nostri sensori di livello TIL e con diversi tipi di segnale, tra cui CAN Bus, 4-20mA e resistivi, per assicurare un'integrazione versatile nei sistemi di strumentazione marina.

Square indicators

Technical features

Code	ILC17616	72 x 72mm - Tank
	ILC17617	72 x 72mm - Water
	ILC17618	72 x 72mm - Waste
	ILC19616	96 x 96mm - Tank
	ILC19617	96 x 96mm - Water
	ILC19618	96 x 96mm - Waste
Inputs	CAN Bus / 4-20mA / Resistive	



Ø100mm indicators

Technical features

Dimension	ILC13412	Tank
	ILC13413	Water
	ILC13414	Waste
Inputs	4-20mA / Resistive	



Ø52mm indicators

Technical features

Code	ILC12616	Tank
	ILC12617	Water
	ILC12618	Waste
Inputs	4-20mA / Resistive	



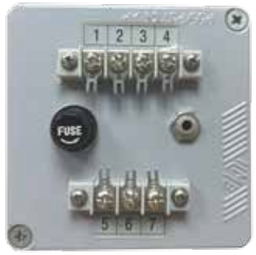
Tachometer relays

Tachometer relay used to provide a relay output signal when the engine speed exceeds a trimmer-adjustable threshold. Compatible with pickup sensor inputs.

Relè tachimetrico utilizzato per fornire una segnalazione di uscita a relè che si attiva quando la velocità del motore supera una soglia regolabile tramite trimmer. Compatibile con ingressi da sensore pickup.

Technical features

Dimension	100 x 100 x 60mm
Inputs	Pickup / W Alternator
Power supply	12/24V
Threshold	1



Models

Code	RTE12500	Code	RTE12500/20
Output	-	Output	4-20mA

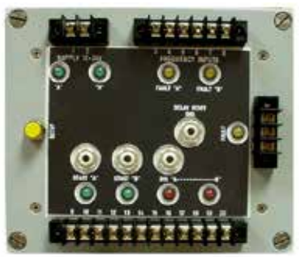
Tachometer relays

Tachometer relays designed to provide alarms and commands according to data received through one or two frequency inputs. To ensure maximum flexibility of use, voltage-free exchange contacts (8 Ampere) have been made available. A second fully independent circuit gives to the device the “fail-safe” function.

Relè tachimetrici progettati per fornire delle segnalazioni o comandi programmabili in funzione del valore di uno o due ingressi in frequenza. Per garantire la massima flessibilità di utilizzo sono stati resi disponibili dei contatti in scambio (8 Ampere), liberi da tensione. Un secondo circuito indipendente permette la funzione “fail-safe”.

Technical features

Codes	RTE12508/1	Threshold: 1
	RTE12508/2	Thresholds: 2
	RTE12508/3	Thresholds: 3
Dimension	142 x 166 x 66mm	
Input	Pickup 1 + 1	



Propeller revolution indicator

Complete system for measuring propeller shaft speed and direction according to SOLAS-MED regulation requirements.

Sistema completo di misura velocità e direzione asse elica secondo requisiti normativa SOLAS-MED.



Technical features

Code	CGE13040
Dimension	Ø100mm
Power supply	12/24V

Propeller revolution unit

Electronic unit with two propeller speed inputs (pickup) and two speed outputs (analog indicator and 4-20mA)

Centralina elettronica dotata di doppio ingresso velocità elica (pickup) e doppia uscita velocità (indicatore analogico e 4-20mA).



Technical features

Code	AMP10118
Dimension	160 x 90 x 60mm
Power supply	12/24V

Cylindrical pickup wheel

Cylindrical steel pickup wheel for propeller shaft rotation systems with side hub.

Ruota dentata cilindrica in acciaio per impianti giri asse elica con mozzo laterale.



Technical features

Code	ING83014
Dimension	On demand

Electromagnetic pickup

Sensor for measuring the rotation of the propeller shaft via a pickup gear wheel.

Sensore per misurare i giri dell’asse elica tramite una ruota dentata.



Technical features

Code	PIK40490
Threading	5/8” 18F



Fire detection control unit

CAL10252

Fire detection control unit with 8 independent zones, each capable of connecting up to 4 sensors, designed to ensure reliable and continuous monitoring of onboard environments. The unit incorporates all the main functions required for fire detection system management, including a backup power supply input, vessel alarm acknowledge and reset controls, fault condition indication, and selective zone isolation to allow maintenance operations to be carried out.

Centralina di rilevamento incendio a 8 zone indipendenti, ciascuna collegabile a un massimo di 4 sensori, progettata per garantire un monitoraggio affidabile e continuo degli ambienti di bordo. L'unità integra tutte le principali funzionalità richieste per la gestione del sistema antincendio, tra cui ingresso per alimentazione di backup, comandi per la tacitazione e il ripristino dell'allarme nave, segnalazione delle condizioni di guasto ed esclusione selettiva delle singole zone per consentire le operazioni di manutenzione.

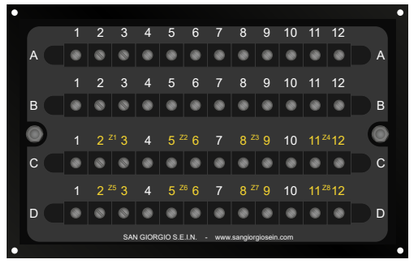
RINA approved

MED approved

Technical features

Dimension	160 x 101mm
Mounting hole	151 x 91mm
Zones	8
Sensors	32
Sensors for zone	4
Protection grade	IP65
Alarm outputs	Alarm
	Main alarm
	Fault
	Audible signal (silenceable)





Models

Codes	CAL10252/12	CAL10252
Power supply	12V	24V

Do you need to connect stand-alone repeaters or a CAL10252 fire detection control unit? We offer a full range of fire detectors, compatible with any model equipped with a volt-free ON/OFF output featuring NC/C/NO contacts.

Fire detection sensors

MED APPROVED

Fire conventional detection sensors with optical, thermal and combined technology. Available in stand-alone version or for use with the CAL10252 detection control unit.

Sensori di rilevamento incendio convenzionali con tecnologia ottica, termica e combinata. Disponibili in versione stand-alone o da abbinare alla centralina di rilevamento CAL10252.



Models

Description	Code	Power supply	Note
Optical fire detector with base 1 relay	TIF40916	12/24V	Stand-alone
Optical fire detector with base 2 relay	TIF40916/D12	12V	For CAL10252
	TIF40916/D	24V	For CAL10252
Temperature optical fire detector with base 1 relay	TIF40916/T	12/24V	Stand-alone
Temperature optical fire detector with base 2 relay	TIF40916/DT12	12V	For CAL10252
	TIF40916/DT	24V	For CAL10252
Temperature fire detector with base 1 relay	TIF40930	12/24V	Stand-alone
Temperature fire detector with base 2 relay	TIF40930/D12	12V	For CAL10252
	TIF40930/D	24V	For CAL10252

Marine manual call point

MED APPROVED

The conventional marine manual call point has been designed to operate on conventional marine fire detection systems.

Il pulsante di allarme manuale convenzionale per applicazioni navali è stato progettato per funzionare con sistemi convenzionali di rilevamento incendi di tipo navale.



Models

Code	IPD50120/M	Code	IPD50120/MD	Code	IPD50120/ME
Function	Stand Alone	Function	For CAL10252	Function	For CAL10252
Mounting	Internal	Mounting	Internal	Mounting	External

Electronic sounder

MED APPROVED

Waterproof electronic sounder for outdoor use, EN 54 certified.

Segnalatore acustico elettronico stagno per uso esterno, certificato EN 54.



Technical features

Dimension	Ø93mm
Sound output	99dBA / 1m

Gas detection sensors

Sensor with IP66 explosion-proof protection degree, designed to monitor for the presence of explosive and toxic gases. Thanks to its advanced technology advances, the sensor is suitable for industrial applications and car parks. The sensor is managed by a microprocessor, which executes a self-diagnosis and therefore an automatic calibration in order to obtain the maximum detection accuracy at all times.

Sensore con grado di protezione antideflagrante IP66, studiato per controllare la presenza di gas esplosivi e tossici. La sonda è gestita da un microprocessore che oltre a fornire un segnale d'allarme alla centrale a cui è collegata, consente di eseguire un'autodiagnosi e quindi una taratura automatica, per garantire nel tempo la massima precisione di rilevamento.

Technical features

Certification	ATEX
Dimension	Ø100 - H:65mm
Output	4-20mA + alarm contact
Operating voltage	12/24V



Models

Code	TGD40618	Code	TGD40618/G	Code	TGD40618/CO
Gas	Petrol vapor	Gas	LPG	Gas	Carbon monoxide

Gas detection sensors

Digital gas transmitters with ATEX / IECEX and 4-20mA industrial standard output. Designed to provide users with a high-quality, cost-effective solution for gas monitoring needs.

Trasmettitori digitali di gas con certificazione ATEX / IECEX ed uscita standard industriale da 4-20mA. Progettati per offrire agli utenti una soluzione economica e di alta qualità per le esigenze di monitoraggio dei gas.

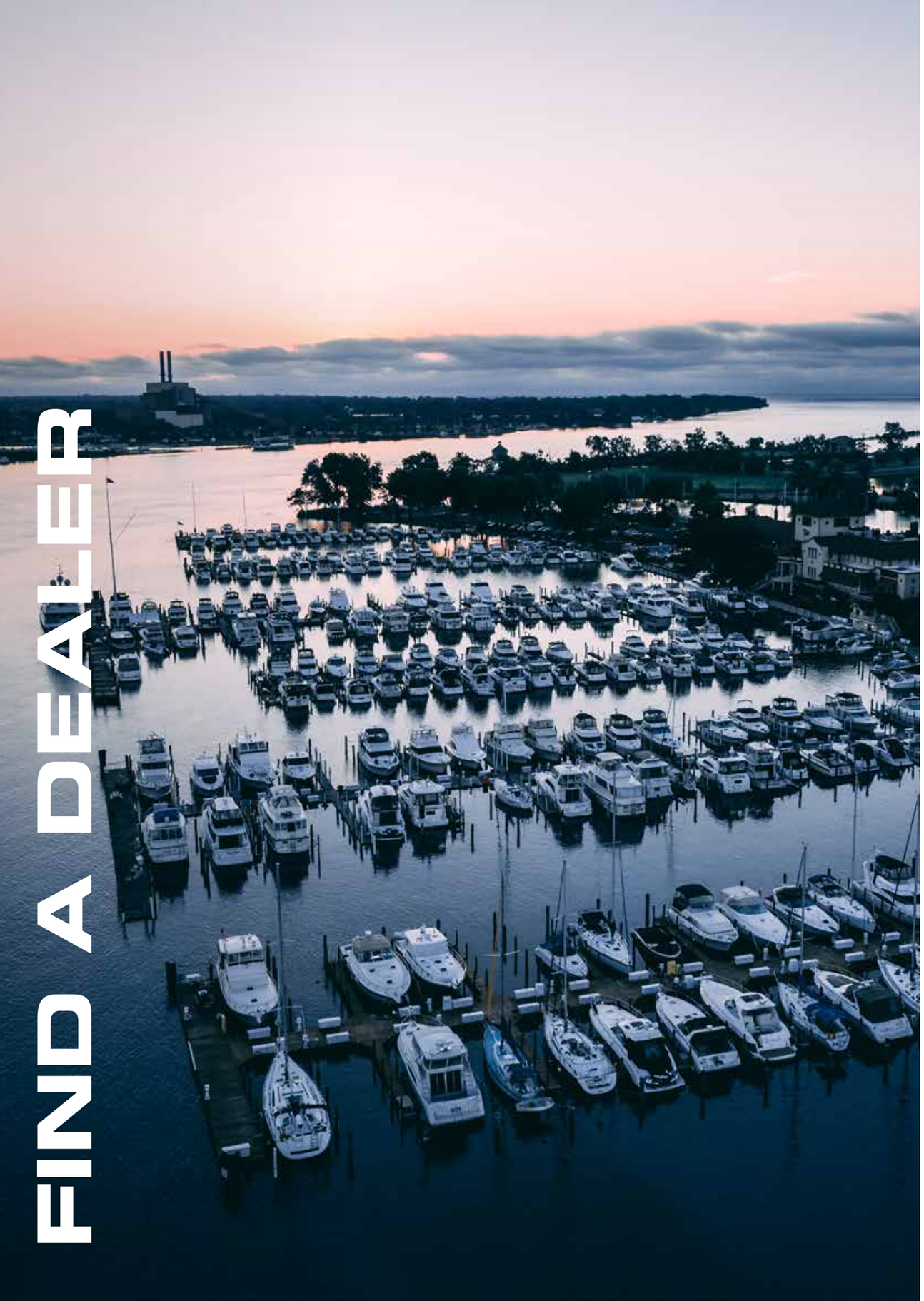
Technical features

Certifications	ATEX / IECEX
Dimension	Ø150mm - H:110mm
Output	4-20mA + alarm contact
Operating voltage	18/30V
Cable entries	1/2" NPT (2 entries)
	3/4" NPT (2 entries)



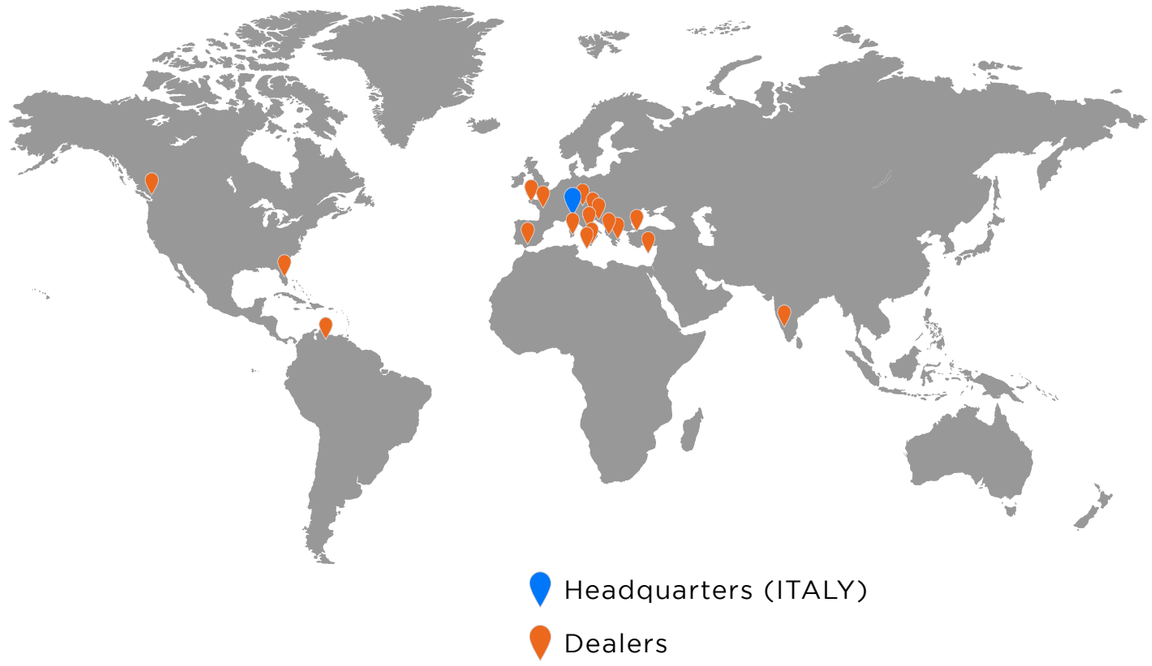
Models

Code	TGD40628/HF	Code	TGD40628/HCM
Gas	Hydrogen fluoride	Gas	Methane



Find the nearest dealers

SAN GIORGIO S.E.I.N. is committed to ensuring that the quality and expertise of our network of agents and distributors is valued for the supply of on-board electronics.



To find the dealer nearest you, scan the QR code
or enter the following URL into your internet browser:
www.sangiorgiosein.com

sangiorgiosein.com

SAN GIORGIO S.E.I.N. s.r.l.
Via Pedullà, 59 | 16165 Genova | Italy
info@sangiorgiosein.com
+39 010 8301222