veratron

PRODUCT CATALOGUE 2026

Outdoor Instrumentation engineered in Switzerland



veratron.com

CUTTING EDGE TECHNOLOGY, HIGH-QUALITY DESIGN, PREMIUM MATERIAL. DISCOVER THE LATEST VERATRON PRODUCTS.

DISCOVER MORE

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Premium outdoor instrumentation engineered in Switzerland.

/
VERATRON

LEADING SOLUTIONS FOR DEMANDING INSTRUMENTATION

/

The first choice for outdoor instrumentation.

Veratron was established to serve its customers with high quality, reliable and durable products. With 50 years of knowhow in our company, we provide our markets with premium electronics for vehicles. Our customers know us for our short time to market from development to start of production and reliable supply. We have all competences on board to deliver high value solutions from first sketches to the final product.

The highest precision and the use of pioneering technologies have always been as important to us as the ease of use and attractive design for all our products. To ensure total reliability – even under the toughest conditions – all our products undergo extensive testing and quality assurance procedures.

/ **Marine**

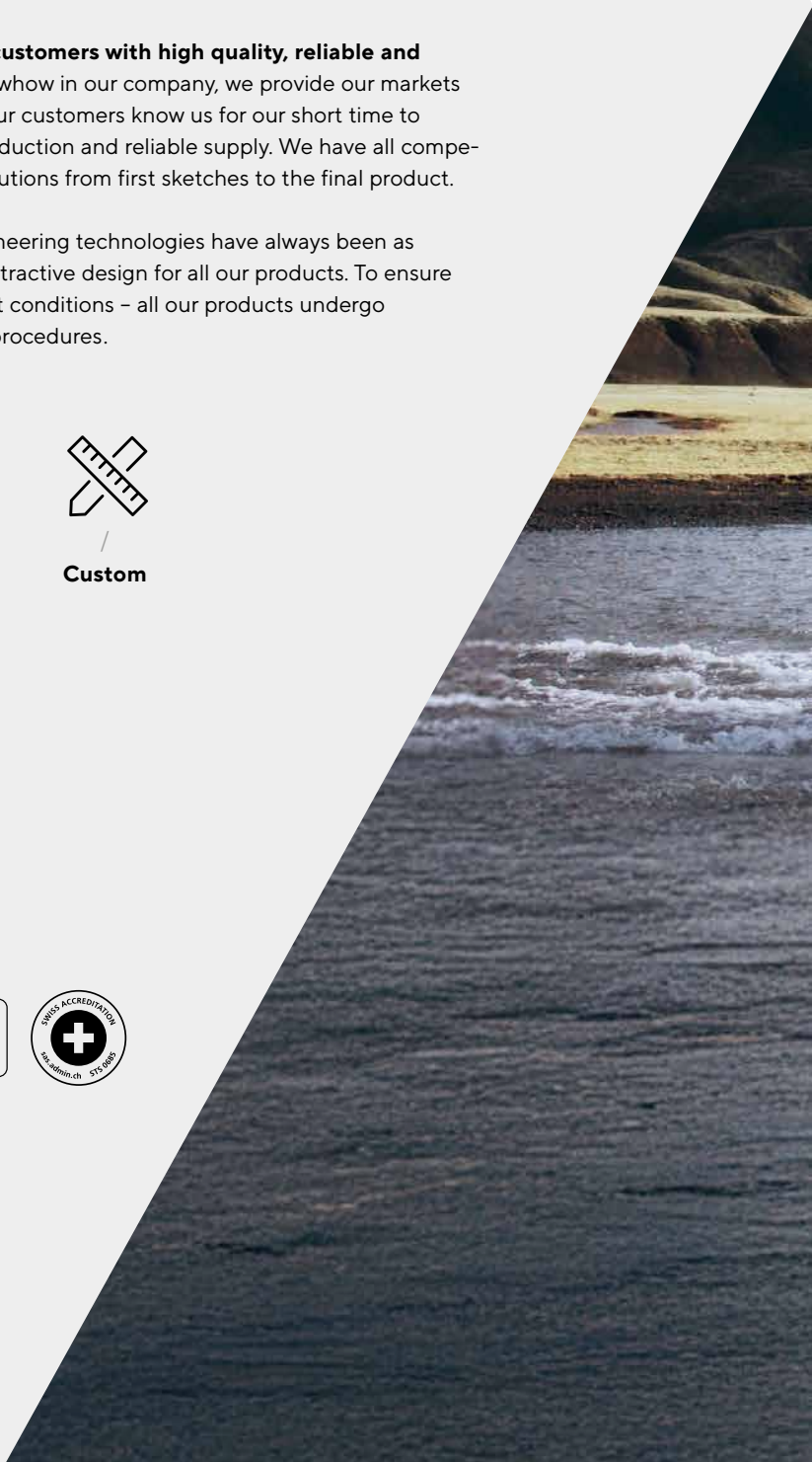
/ **Power Sports**

/ **Industry**

/ **Custom**

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MORE ABOUT VERATRON

WE ARE CERTIFIED





OUR MISSION, VALUES AND VISION

/

Veratron serves its customers with the best equipment created and developed to be reliable even in harsh conditions.

Our values, be it within our company, for our instruments or with our customers, rely on simple words. Loyalty, trust, long-term relations, appreciation, and performance are for Veratron what boats are to ocean. Those values are essential for good and healthy collaborations.

/ **Loyalty**

/ **Trust**

/ **Long-Term Relation**

/ **Appreciation**

/ **Performance**



Our mission implies to be sustainable and in line with our society. Complexity and global interdependencies are transforming our society faster than we ever believed. Since 2005 our company is certified according to the ISO's environmental standards: ISO14001.

Our company is compliant with the current ecological standards. Our products and production processes fulfil the highest environmental standards such as RoHS, REACH, prop 65 and others. Sustainability in everything we do, especially as an industrial company, is of paramount importance with regard to the world we leave to our children.

Veratron management and employees have been committed for years in the fields of ecology, economy and social issues and thus make their contribution. We will continue to do so in the future.

www
SUSTAINABILITY STATEMENT

The key to understanding the future is one word: sustainability.

/

PATRICK DIXON, AUTHOR AND FUTURIST

OUR KNOW HOW, TO SERVE YOU BEST.

ENGINEERING SERVICES

/

Veratron offers 360° Engineering Services. From software development to hardware engineering, design engineering, product styling and production engineering – we provide world-class engineering competence in product development. We have 50 years of experience in finding perfect solutions for your new product or process.

ENVIRONMENTAL LABORATORY

/

The Veratron environmental laboratory has been certified and SAS accredited under ISO/IEC 17025 under STS 0685. We provide independent, competent and cross functional testing, in our laboratory the impact of various environmental conditions on products and components is examined.

PRODUCTION SERVICES

/

Our automotive based production offers production services for various electronic products. We offer product styling and CAD design, simulation on Creo and SolidWorks. As experts, we manage the entire chain from 3D animation, mockup building up to the final product including the manufacturing process development.

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READ MORE ABOUT OUR SERVICES



Engineering, testing and production of high quality electronic products is our DNA.

/

VERATRON





1999
First development and
production of color display
for marine application

www
OUR HISTORY



OUR EXPERIENCE, YOUR BENEFIT

Strong history, amazing future

The name has changed several times, but many of the people developing our first-class instruments have been with us since the beginning. 50 years of experience and knowhow have been accumulated within Veratron, allowing us to provide the market with cutting edge technology and premium instruments for vehicles of all kinds.



1972
Foundation of VDO Technik AG at the new production plant in Rüthi, Switzerland.



1989
Expansion of facility and integration of marine business



1992
Start of PCB assembly in Rüthi / Switzerland.





2018
Foundation of the new company Veratron, rebranding



2021
Japanese outboard engines manufacturer added to the customer list



2023
Sustainability Project: Installation and start-up of PV system

The best way to predict the future is to create it.

ABRAHAM LINCOLN

NEW GENERATION, NEW HORIZONS – THE VMH SERIES

/

High-technology devices for glass cockpit dashboards.

The VMH displays line is the premium class of dashboard instruments designed to perfectly fit into the most modern cockpit concepts.

The elegant look of their optically bonded black glass display makes them the perfect match with your stylish dash. The powerful, sun-readable TFT displays offer the maximum viewing angle. Powered by the latest technology microprocessors, the VMH displays have no fear of managing the most demanding applications.

REACH COMPLIANT · RoHS COMPLIANT · IPX7 COMPLIANT · MINERAL GLASS · SUN-READABLE · CE · UKCA · UL · NMEA 2000



One multifunction digital display monitors your engine, tanks, batteries and more!

VMH 35 MOVIE



VMH – The perfect device for outboard engines' monitoring

All your vessel data on a stylish VMH display.





VMH FLEX

Tiny device / endless possibilities

KEY FEATURES

- Up to 5 scrollable screens in single or dual layout
- Innovative laser touch-button reliable in every practical condition
- CAN bus connectivity (NMEA 2000® or J1939)
- 2x analog inputs for direct sensor connections
- Embedded analog to NMEA 2000® converter
- LIN port for Intelligent Battery Sensor

AIRWAVE READY · ANALOG INPUT · NMEA 2000 GATEWAY

Small but powerful, the **VMH FLEX** is the perfect compromise to display a large amount of boat data in a compact device. No matter if you are wearing gloves or if it is raining on your deck, the innovative laser touch-button allows you to scroll up to 5 different screens. Every screen can be freely customized with your most important information, and the setup – including alarms – is easily done with your smartphone just with a »tap«.

Capable of reading from both sensors and CAN the **VMH FLEX** is further empowered by the LIN connectivity to get all the information from your battery thanks to the Intelligent Battery Sensor.

ARTICLE NR.

NMEA 2000®	B00186401
SAE J1939	B00127801

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VMH 35

Stylish black glass cockpit design / slim panel profile / powerful core

KEY FEATURES

- Stylish black-glass design with brushed stainless-steel ring
- New generation sun-readable color hybrid display
- Intelligent Battery Sensor (IBS) port
- Analog to NMEA 2000® gateway
- Integrated high-performance GNSS receiver
- NMEA 2000® certified
- Customizable startup screen

FREQUENCY INPUT · RESISTIVE INPUT · NMEA 2000 GATEWAY · GNSS RECEIVER · EASYLINK INTERFACE

Designed with stylish mineral glass front lens framed by a brushed stainless steel ring, it can display a wealth of critical boat system data in a compact package that's perfect for cockpits on smaller vessels with limited space.

The **VMH 35** has an embedded GNSS receiver to support and show navigation information, while it is able to monitor analog input directly, such as fuel, trim, and tachometer. A special input is dedicated to the Veratron IBS (Intelligent Battery Sensor). It can provide critical 12 V battery monitoring information. All these data are distributed to NMEA 2000® thanks to its embedded certified gateway.

ARTICLE NR.

Resistive / GPS	B00085501
0-5 Volt / GPS	B00143501
0-5 Volt	B00143601
VMH 35 Suzuki*	B00204201
VMH 35 Suzuki* GPS	B00204101

**This product is designed to be compatible with Suzuki engines. However, it is not manufactured, endorsed, or approved by Suzuki Motor Corporation.*



VMH 70

Best-in-class touchscreen display / full control / customizable

KEY FEATURES

- 7" sun-readable IPS TFT touchscreen display
- Slim panel installation profile
- Mineral glass front lens
- Reliably operating in high-temperature environments
- IPX7 protection rating (exposed device)
- NMEA 2000® certified
- Embedded analog to NMEA 2000® gateway
- Customizable GUI and startup screen
- Dual SAE J1939 CAN ports
- 6x Resistive inputs
- 2x Frequency inputs
- 2x 4–20 mA inputs
- 3x Digital inputs or 0–5 V
- 2x Alarm outputs
- 2x Video inputs
- 2x EasyLink data outputs

FREQUENCY INPUT · RESISTIVE INPUT · NMEA 2000 GATEWAY · EASYLINK INTERFACE

The best-in-class **VMH 70** display is designed to manage large amounts of complex data, and thanks to its real-time operating system it ensures full control on vital engine information immediately after power up.

Easily configured to display information from up to four engines when connected to NMEA 2000® or two engines via J1939 or analog inputs simultaneously, it has large possible setting. This allows users to group similar items such as single or dual engines, battery performance, fuel, water, waste, tank level, rudder and trim, onboard systems, navigation and weather, if desired.

The device has an integrated light sensor that adjusts for easy reading without eye strain, no matter how bright or dark the conditions, and two camera inputs allow to control the engine compartment during navigation and keep an eye on the main deck while maneuvering.

The embedded NMEA 2000® gateway brings all the sensor readings and alarms to your external multifunctional display, saving the cost of an additional converter.

ARTICLE NR.

VMH 70	B00129201



Intelligent Battery Sensor (IBS) screen to keep your energy supplies under control



Lateral touch buttons are RGB illuminated and allow for a quick brightness adjustment

»

Wealth of boat data in stylish devices.

Meet the VMH 35-D: The highly regarded VMH 35 now comes in a diesel version!





VMH 14

New generation 52 mm EasyLink satellites

KEY FEATURES

- VMH look-and-feel
- Digital display with visual bargraph
- EasyLink interface
- Configurable with smartphone via Airwave ready
- Trim, Voltmeter, Fuel Level, Water Temperature, Transmission Oil Temperature and Pressure, Engine Oil Temperature and Pressure

AIRWAVE READY · EASYLINK INTERFACE

Every **VMH MASTER** can control up to 16 **VMH 14** satellites, and the installation cannot be easier with the Veratron well-known daisy chain concept.

When combined with a **VMH MASTER** device – like the brand-new **VMH 35-D** – the instrument will display the data in a bright and digital form thanks to its sun-readable color display with outstanding outdoor performances. The colored bar graph and the alarm display allow you to visually understand your data.

ARTICLE NR.

VMH 14	B00109901

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VMH 35-D

Diesel engine monitoring made easy

KEY FEATURES

- 12/24 V operating voltage
- SAE J1939 CAN port
- High-performance GPS embedded
- More than 30 data displayed
- 4x analog input for external sensors
- EasyLink output for up to 16 VMH 14 satellites
- Analog/CAN to NMEA 2000® gateway

FREQUENCY INPUT · RESISTIVE INPUT · NMEA 2000 GATEWAY · GNSS RECEIVER · EASYLINK INTERFACE

The **VMH 35-D** is the perfect standalone solution for monitoring your diesel engine. With a configurable dial scale of 3000 or 4000 RPM, the **VMH 35-D** is a compact display capable of showing a wide amount of data from your engine, battery, tank, and GPS.

Specific information about your diesel engine is provided together with alarms, either received from the SAE J1939 bus or locally set through the embedded menu. Both 12V and 24V systems are supported, as well as EasyLink connectivity which allows your dashboard to be expanded with additional **VMH 14** satellite displays to always keep your sensitive data under control. The embedded high-performance GPS receiver further enhances the display capabilities by adding speed, position and heading data.

ARTICLE NR.

VMH 35-D GPS	B00171101
VMH 35-D	B00171201



All round instruments of the VMH Series come in a stylish black-glass design with brushed stainless steel ring and slim panel profile.

The perfect match for your stylish dashboard.

OL SERIES – RELIABLE IN EVERY CONDITION

/

Precision CAN Instrumentation for Leisure Boats.

It provides a modular instrumentation concept for electronic navigation and engine monitoring with NMEA 2000®, J1939 and analog connectivity. The product line offers a wide range of functions as well as great flexibility in installation and design.

The OL series provides three different master instruments as centerpieces of the system: a 4.3" TFT Display, a 7" TFT touch Display and as master instruments 85 mm round gauges. All devices are information powerhouses, multifunctional tachometers and have embedded Gateway from Analog or J1939 to NMEA 2000®.

The OL 85 mm Master gauge and the TFT Displays show various available data (e. g. engine data, depth, course over ground and speed over ground), and send it to all NMEA 2000® devices and to up to 16 additional satellite instruments.
All instruments come in a new and stylish design, with perfect to read modern dials.

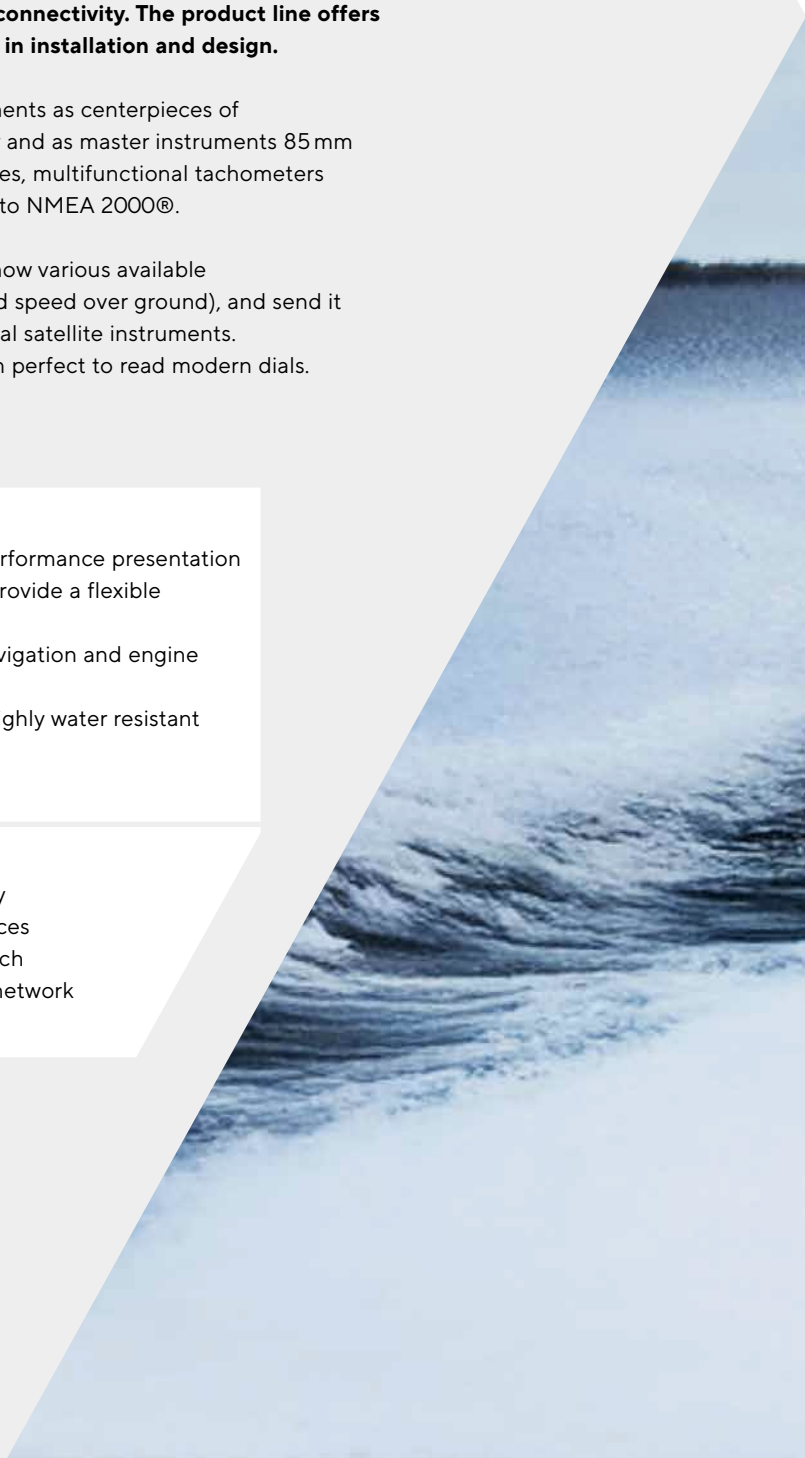
BENEFITS OF USING OL

- Easy and effective use
- Perfectly readable engine monitoring thanks to increased performance presentation
- The EasyLink data connection and the plug & play solution provide a flexible installation of panel, front and flush mounted instruments
- Decades of experience guarantee a fully reliable, modern navigation and engine monitoring system with NMEA 2000®
- A solid housing design completely sealed against dust and highly water resistant (IPX7 front and rear)
- High quality precision instruments designed in Switzerland

FURTHER ADVANCED FEATURES

- Master instruments with NMEA 2000® gateway functionality forwarding data, e. g. engine data, to NMEA compatible devices
- GPS Speedometer, 85 mm, features NMEA 2000® port, which bridges the position, COG, SOG data to the NMEA 2000® network
- Sunlight readable touch screen IPS TFT Display

REACH COMPLIANT · RoHS COMPLIANT · IPX7 COMPLIANT · MINERAL GLASS · SUN-READABLE · CE · UKCA · UL · NMEA 2000





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OL43 TFT DISPLAY

Seamless integration / real-time monitoring

The OL43 Multifunction Display redefines clarity and control in marine environments. Featuring a 4.3" optically bonded IPS TFT screen with anti-glare mineral glass, it delivers brilliant visibility even in harsh conditions. Designed for seamless integration, it supports NMEA 2000® and SAE J1939 protocols, analog sensors, and Ethernet connectivity. With lightning-fast startup, customizable multilingual GUI, and robust IPX7-rated housing, the **OL43** is built to perform. Whether monitoring engines, tanks, batteries, or navigation data, this display offers intuitive interfaces, graphical insights, and real-time alarms. Its compact 85mm spinlock and flame-retardant housing make installation simple and safe.



Engineered for clarity, built for reliability, designed to last.

GENERAL FEATURES

- **Optically bonded** 4.3" IPS TFT display **with antiglare** coated mineral front lens glass
- Resolution 480x272
- Freshly redesigned customizable user interface
- IPX7 protection class / Exposed device
- **Reliable in high-temperature** environments
- **Lightning-fast startup** upon power on
- **Multilanguage** GUI
- NMEA 2000® certified
- SAE J1939 CAN port
- Analogue sensor inputs with **NMEA gateway**
- Installation with 85 mm spinlock



ARTICLE NR.

OL43	B00126101

SAE J1939 INTERFACE

- The **OL43** display is able to read data from CAN engines
- The data is taken from the supported J1939 PGNs and **bridged to NMEA 2000®** with a user-configurable engine instance
- **J1939 alarms** (DM1) are also displayed and transmitted over NMEA 2000®

ANALOG SENSORS

- The display is equipped with **analog inputs to connect sensors** of different kind (tank / temperature / pressure / ...)
- Configurable in sensor type, calibration, instance
- Every sensor can be customized with a **standard or user-defined characteristic**
- It is possible to do a **manual or a step-by-step** assisted calibration (auto learn)

OL43 is more than a display— it's a smart interface that puts control, clarity, and confidence at your fingertips.

Smart
The brain behind your boat's data—centralizing and interpreting operations with intelligent precision.

Powerful
Delivers high-brightness visuals and real-time data processing with lightning-fast startup.

Connected
Equipped with NMEA 2000®, SAE J1939, Ethernet, for total integration with your boat system.

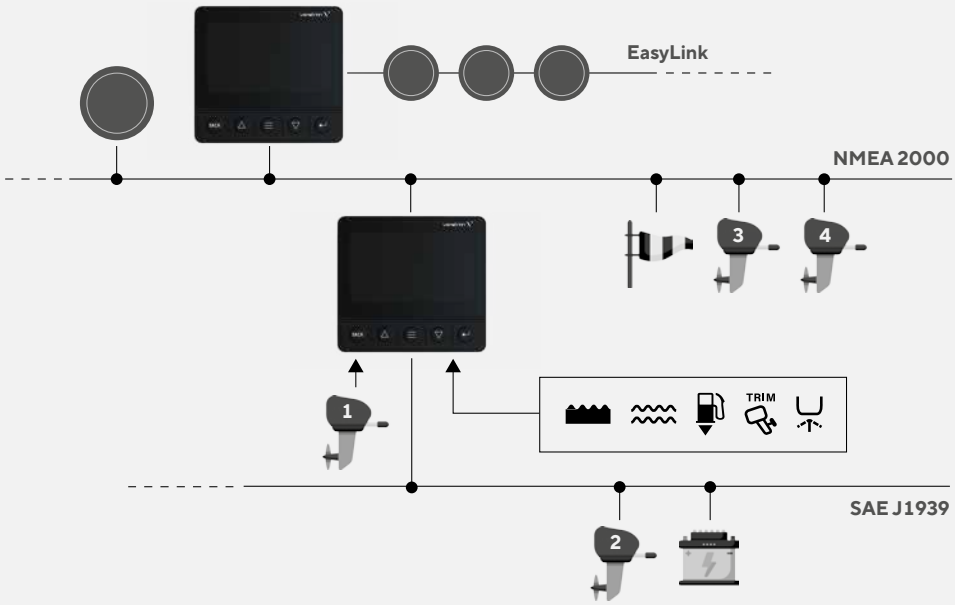
Customizable
Multilingual GUI, flexible screen layouts, and sensor calibration tailored to your needs.

SYSTEM ARCHITECTURE

Available sensor inputs:
- 1 x Frequency input
- 2 x Resistive
- 1 x Voltage 0-5 V

- **Every analog sensor reading is bridged to NMEA 2000® (converter included)**
- **Up to 16 EasyLink satellites** can be connected to the display through daisy chain connection

The brain behind your boat's data.





Grid Screens
- Single and Quad screen designs
- Numeric or gauge design fully configurable
- Plenty of data available to choose from local sensors / CAN / GPS



Battery Monitoring
- Keeps your battery energy supplies under control
- Data received from the Intelligent Battery Sensor (IBS)
- 12V and 24V variants
- Battery Voltage / Current / Temp
- SOC / SOH / Autonomy calculated



Tank Monitoring
- Monitor up to 4 tanks at once
- 4 tanks supported for each fluidtype
- Fuel / Fresh Water / Grey Water / Black Water tanks supported
- Information displayed in percent or Liters/Gallons



Configuration
- Configure sensor type, calibration, and instance
- Manual or step-by-step assisted calibration (auto learn)
- Define your own sensor curve

OL 85 – MASTER GAUGES

SPECIFICATIONS

- 1x NMEA 2000® input
- 1x J1939
- 1x Frequency input
- 2x Analog inputs
- 1x Alarm output 500 mA
- Reverse polarity protection
- Anti-fog double layer plastic lens
- Protection rating IPX7
- Operating temperature range -20°C/+70°C

OL gauges have a white and black dial version, which is always completed with a bezel in identical color. Optionally, a chrome bezel is available as a decorative accessory.



85 mm GPS Speedometer
0–35 knots/kmh/mph



85 mm GPS Speedometer
0–35 knots/kmh/mph



85 mm Tachometer 3000 rpm



85 mm Tachometer 5000 rpm

GPS SPEEDOMETER

The **OL** GPS Speedometer features an embedded GPS antenna, an inverted dot matrix LCD and NMEA 2000® connectivity. Up to sixteen 52 mm satellite gauges can be connected thanks to the integrated EasyLink connectivity.

DISPLAYED DATA

Heading, Depth, Seawater Temperature, Boat Speed, SOG, Date & Time, Battery Status, Air Temperature, Engine Oil Pressure, Fuel Level, RPM, Coolant Temperature, Transmission Gear Temperature, Fresh Water Level, Waste Water Level, Trim, Engine Hours, Rudder Status, Boost Pressure, COG and alarms.

TACHOMETER

The **OL** Tachometer automatically presents all the key boat data on a digital dot matrix display. Beside the two digital interfaces, supporting the NMEA 2000® and SAE J1939 data protocols, there is also one analog frequency input as well as two resistive ones. The innovative EasyLink data connection makes the installation of further 52mm Satellite Gauges easy and cost effective.

OL is available in various designs and a number of bezel color options. The instruments can also be conveniently integrated into customer-specific panel solutions. The Tachometer displays all important engine related data and distributes it to up to sixteen 52 mm satellite gauges.

RANGE	VOLTAGE	COLOR	ARTICLE NR
0–14 knots / kmh/mph	12–24 V	Black White	A2C1351970001 A2C1352010001
0–35 knots / kmh/mph	12–24 V	Black White	A2C1351980001 A2C1352080001
0–70 knots / kmh/mph	12–24 V	Black White	A2C1351990001 A2C1352090001

RANGE	VOLTAGE	COLOR	ARTICLE NR
3000 rpm	12–24 V	Black White	A2C1065660001 A2C1065670001
5000 rpm	12–24 V	Black White	A2C1065720001 A2C1065800001
7000 rpm	12–24 V	Black White	A2C1065810001 A2C1065820001

OL 52 – GAUGES

OL 52 mm Gauges are connected directly to any **OL** Master unit using the patented EasyLink serial bus connection. Up to 16 EasyLink gauges for each Tachometer or GPS Speedometer can be daisy-chained together. **OL** Gauges have a white and black dial version, which is always completed with a bezel in identical color. Optionally a Chrome Bezel can be selected from the accessories list on page 60.

SPECIFICATIONS

- AMP Superseal EasyLink connector
- Current consumption < 100 mA
- 270° pointer deflection angle
- Reverse polarity protection
- Anti-fog double layer plastic lens
- Front & rear protection rating IPX7
- Operating temperature range -20 °C / +70 °C



Plug-and-Play serial connection up to 16 satellites.



52 mm Coolant Temperature
120 °C / 250 °F



52 mm Engine Oil Temperature
150 °C / 300 °F



52 mm Pyrometer
900 °C / 1650 °F

TEMPERATURE

OL 52 mm Temperature Gauges are connected directly to any **OL** Master unit using the patented EasyLink serial bus connection. Gauges have anti-fog plastic double lens and choice of three various bezels.

RANGE outer / inner	VOLTAGE	COLOR	ARTICLE NR
Coolant Temperature 120 °C / 250 °F	12 – 24 V	Black White	A2C1065950001 A2C1065970001
Engine Oil Temperature 150 °C / 300 °F	12 – 24 V	Black White	A2C1065850001 A2C1065860001
Pyrometer 900 °C / 1650 °F	12 – 24 V	Black White	A2C1349690001 A2C1349710001



52 mm Boost Pressure,
2 bar/30 psi



52 mm Engine Oil Pressure,
Low/High



52 mm Transmission Oil Pressure,
30 bar/440 psi

PRESSURE

OCL 52 mm Pressure Gauges are connected directly to any **OL** Master unit using the patented EasyLink serial bus connection. Gauges have anti-fog plastic double lens and choice of three various bezels.

RANGE	VOLTAGE	COLOR	ARTICLE NR
Boost Pressure 2 bar/30 psi	12 – 24 V	Black White	A2C1066140001 A2C1066150001
Engine Oil Pressure 10 bar/150 psi	12 – 24 V	Black White	A2C1066000001 A2C1066010001
Transmission Oil Pressure 30 bar/440 psi	12 – 24 V	Black White	A2C1066040001 A2C1066050001



52 mm Fuel Level
Empty – Full



52 mm Fresh Water Level
Empty – Full



52 mm Waste Water Level
Empty – Full

LIQUID LEVEL

OL 52 mm Liquid Level Gauges are connected directly to anL Master unit using the patented EasyLink serial bus connection. Gauges have anti-fog plastic double lens and choice of three various bezels.

RANGE	VOLTAGE	COLOR	ARTICLE NR
Fuel Level Empty – Full	12 – 24 V	Black White	A2C1065930001 A2C1065940001
Fresh Water Empty – Full	12 – 24 V	Black White	A2C1065910001 A2C1065920001
Waste Water Empty – Full	12 – 24 V	Black White	A2C1065890001 A2C1065900001

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OL INSTRUMENTS



52 mm Voltmeter 16 – 32 V



52 mm Current -150/+150 A



52 mm Engine Trim



52 mm Rudder Angle

BATTERY STATUS

OL 52 mm Battery Status Gauges are connected directly to any **OL** Master unit using the patented EasyLink serial bus connection. Gauges have anti-fog plastic double lens and choice of three various bezels.

RANGE	VOLTAGE	COLOR	ARTICLE NR
Current -60/+60 A	12 – 24 V	Black White	A2C1349640001 A2C1349660001
-150/+150 A	12 – 24 V	Black White	A2C1349650001 A2C1349680001
Voltage 8 – 16 V	12 – 24 V	Black White	A2C1066100001 A2C1066110001
16 – 32 V	12 – 24 V	Black White	A2C1066120001 A2C1066130001

VESSEL STATUS

OL 52 mm Vessel Status Gauges are connected directly to any **OL** Master unit using the patented EasyLink serial bus connection. Gauges have anti-fog plastic double lens and choice of three various bezels.

RANGE	VOLTAGE	COLOR	ARTICLE NR
Rudder Angle 90°	12 – 24 V	Black White	A2C1066080001 A2C1066090001
Engine Trim Up / Down	12 – 24 V	Black White	A2C1065830001 A2C1065840001

Land was created to provide a place for boats to visit.

/

BROOKS ATKINSON

VL SERIES – EASY TO INSTALL, EASY TO CUSTOMIZE, EASY TO USE

/

The VL Series offers a comprehensive modular, modern series of instruments for engine monitoring.

More functions and greater flexibility in installation and design increase the scope for high manufacturing standards and guarantee the highest level of reliability and readability. As the result of ongoing research and development work, we offer an innovative, comprehensive standard instrumentation platform which is also available for outboard engine use. VL Series provides maximum freedom to customize the cockpit and is the natural choice for an attractive price / performance ratio.

BENEFITS OF USING VL SERIES

- Anti-fog plastic lens, maximum precision and stylish design with choice of nine various bezels.
- Our plug and play solution design concept offers a high level of installation flexibility for panel, front and flush mounted instruments.
- VL offers maximum freedom in respect of cockpit customization.
- We ensure seamless integration and optimum utilization of VL devices for extreme outdoor conditions.



Live your life by a compass, not a clock.

/

STEPHEN R. COVEY


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VL FLEX

All-in-one / universal / contactless device configuration / all-rounder

The **VL FLEX** device can easily be configured to be the instrument you need – thanks to its sun-readable 1.44" TFT display embedded into a standard 52 mm instrument housing. The supported analog inputs allow you to directly read from your engine sensors, and the NMEA 2000® or J1939 interface expands this possibility by allowing the device to read from the digital network. The simple but effective graphic design can be set up in a single or dual layout, presenting the data in a clear and intuitive form, while the colored bar graph and the alarm display allow you to visually understand your data.

GENERAL FEATURES

- 52 mm instrument with 1.44" TFT display
- 2 instruments in 1 with dual screen
- Wireless configurable with your smartphone
- Powerless configuration
- Custom alarms setup
- Color bar graphs for visual data display
- 9 different styling bezels available



CONFIGURATOR SMARTPHONE APP

- To configure the **VL FLEX**, some parameters must be calibrated, like the gauge type, the sensor and its calibration or the warning threshold. This is possible through the **»VL FLEX CONFIGURATOR«** smartphone App.
- A simple and detailed explanation of the configuration process is also available as in-app instructions.
- Thanks to the passive embedded AirWave receiver, the VL Flex 52 can be configured without power supply.



Single layout Dual layout

WIRELESS CONFIGURATION IN JUST 3 STEPS:

1 Read — 2 Configure — 3 Write

TECHNICAL DATA

Display	1.44" sun-readable color TFT display
Resolution	125 x 125 pixels
Nominal Voltage	12 V / 24 V
Operating Voltage	9 – 32 V with overvoltage and reverse polarity protection
Current consumption	Typ. 50 mA with max. backlight intensity
Analog ports	Resistive (0 – 400 Ω), Frequency (W, Ind, Hall, Generator)
Digital ports	NMEA 2000® or J1939, LIN bus
Wireless interface	AirWave (NFC-Based)
Protection class	IP 67 front side acc. IEC60529
Lens	PMMA with anti-glare and anti-fog
Housing	Ø 52 mm – Polycarbonate (PC), flame retardant acc. UL94-V0
Operating temperature	-20°C to +70°C
Storage temperature	-30°C to +80°C
Connector	Tyco / Hirschmann MQS connector 8 pin



» DOWNLOAD CONFIGURATOR APPS

Get it on Google play — Available on the App Store







NMEA 2000®

The supported analog inputs allow you to directly read from your engine sensors. In addition NMEA 2000® and LIN 2.0 interface expands this possibility by allowing the device to read from the digital network.

FEATURES

- **NMEA 2000® gateway included**
- Configurable Resistive and frequency inputs
- IBS port for battery monitoring
- Custom alarm setup
- 23 data available in different units
- Wireless configurable via smartphone App

ARTICLE NR.	
NMEA 2000® Black	B00043501
NMEA 2000® White	B00111301

J1939

The supported analog inputs allow you to directly read from the sensors.
In addition, the J1939 and the LIN 2.0 interfaces make it possible for the VL Flex to read from the digital networks as well.

FEATURES

- SAE J1939 compatible
- Configurable Resistive and frequency inputs
- IBS port for battery monitoring
- Custom alarm setup
- 29 data available in different units
- Wireless configurable via smartphone App

ARTICLE NR.	
J1939 Black	B00086001
J1939 White	B00110901

IBM

The Intelligent Battery Monitoring System informs you about the current energy status, allowing you to plan your energy supply making it the key element of the vehicle's energy management.

FEATURES

- Flex display kit for Battery monitoring
- 1x Resistive input for Fuel or Fresh Water level
- Dedicated harness with pushbutton for screen scrolling
- Battery charge notification

ARTICLE NR.	
IBM 12 V	B00084701
IBM 24 V	B00084801

VL Flex combines two instruments in one, is cost-saving and practical.



VL DIGITAL – SMART, PRECISE, FLEXIBLE.

Experience the next generation of instrumentation with VL Digital—where precision meets innovation. Designed for versatility, it combines high-performance digital technology with intuitive features like customizable displays, multiple input options, and smart connectivity. Whether for advanced monitoring or seamless integration, VL Digital offers a modern, user-friendly solution for a wide range of applications.

Precision meets intelligence — VL Digital puts you in control.



KEY FEATURES

- **High-performance digital round gauges**
- **80/85mm** and **52mm** variants available
- **Color segmented display** with telltales
- **Customizable** with 9 stylish bezels
- **12/24 V nominal voltage**
- **Fully configurable 52mm variant** (functions and alarms)
- **Analog and digital (CAN) inputs** (250/500 kbit/s)
- **Alarm output** on both variants
- **Configuration via smartphone** for easy setup
- **Laser pushbutton** for seamless data scrolling
- **Custom alarm text**

AIRWAVE READY · DIGITAL INPUT · RESISTIVE INPUT · FREQUENCY INPUT · 12/24 VOLT

REACH COMPLIANT · RoHS COMPLIANT · CE · UKCA · UL · SAE J1939

SUPPORTED CONFIGURATIONS

ENGINE	BATTERY	WEATHER
RPM	Battery Voltage	Outside Air Temp
Gear Position	Ammeter	
Boost Pressure	Battery SOC	**VEHICLE**
Coolant Pressure	Energy consumption	Clock (J1939 only)
Coolant Temp	Remaining range	Speed
Fuel Rate	Alternator Potential	Odometer
Engine Hours		Trip Time A
Air Intake Temp	**TANKS**	Trip Distance A
Engine Load	Fuel Level	Trip Time B
Exhaust Temp	Fresh Water Level	Trip Distance B
Engine Oil Temp	DEF / Blue Level	Brake Press (1 to X)
Engine Oil Press	Fuel Temp	Hydraulic Oil Temp
Transm Oil Temp	Fuel Pressure	Hydraulic Oil Press
Transm Oil Press		PTO 1 and PTO 2

VL Digital represents a quantum leap, combining state-of-the-art technology with powerful functions to meet modern needs.

Flexible

Few devices only to cover all the system configurations you might need.

Compatible

Plug-and-play replacement of your VL instrument thanks to the backwards compatible connector pinout.

Programmable

Fully configurable with smartphone app to display the data you need.

Readable

The sunlight-readable display ensures perfect readability under every lighting condition.

INSTRUMENT	ART.NR.
VL DIGITAL 52 Triangular Black Bezel	B00205701
VL DIGITAL 52 Round Black Bezel	B00205702
VL DIGITAL 52 Triangular Chrome Bezel	B00205703
VL DIGITAL 52 Round Chrome Bezel	B00205704
VL DIGITAL 85 Triangular Black Bezel	B00205801
VL DIGITAL 85 Round Black Bezel	B00205802
VL DIGITAL 85 Triangular Chrome Bezel	B00205803
VL DIGITAL 85 Round Chrome Bezel	B00205804

BULK	ART.NR.
VL DIGITAL 52 bulk of 10 Units without wire and bezel	B00205710
VL DIGITAL 85 bulk of 10 Units without wire and bezel	B00205810







Instantly configure your instrument with your smartphone—no PC, no interfaces, just seamless wireless setup.

APP CONFIGURATION



- **Fast:** no prior pairing is required, just near the phone to instantly configure it.
- **Efficient:** thanks to the passive receiver you can configure the device powerless!
- **Secure:** the configuration requires proximity to the device.
- **Cost-effective:** no hardware interface is required.

Seamless configuration at your fingertips – Easily configure your VL Digital device in seconds using Veratron's proprietary wireless link. All you need is your smartphone and the configurator app. The user-friendly configurator app will easily guide you through the configuration, which you can download to the instrument by simply nearing your phone to it.

85 MM INSTRUMENT

- **8-poles MQS connector plug-and-play** compatible with existing classic VL gauges
- **Configurable as Tachometer / Speedometer / Power Meter** for electrical vehicles
- **Dual frequency input** for tachometer and hall-effect speed sensor
- **Analog resistive ports** for resistive sensors like fuel or water temperature or pressure sensors
- **CAN port with SAE J1939** protocol with diagnostic data
- **Selectable displayed data**
- **Dedicated inputs** for alarm lamps, and specific input for alternator D+
- **Configurable local alarms** with user-defined hysteresis and activation delay
- **Service maintenance notifications**

52 MM INSTRUMENT

- **8-poles MQS connector plug-and-play** compatible with existing classic VL gauges
- **Fully configurable with smartphone app** to display the data you need
- **Programmable warning and alarm levels** for the displayed data
- **Alarm output** for external buzzer or lamp activation
- **Data measured from analog port or received via CAN bus** with SAE J1939 protocol

9 different styling bezels available



www

DISCOVER MORE

52 MM CLASSIC GAUGES

Black, white or chrome. Choose the design fitting in your cockpit.

The **VL 52 MM** Pointer Gauges are available in black or white dial versions, which are always completed with a round bezel in identical color. VL accessories bezel concept offers true design flexibility in the layout of instrument panels. The three attractive designs in black, white and chrome are suitable for every machinery instrument panel or special vehicle cockpit.

AFTERMARKET PACKAGE

Gauge, Bezel, Rubber Seal, Spinlock, Connection Cable, Installation Instructions, Safety Instructions, Card for online manuals

SPECIFICATIONS

- 8 pole Tyco/Hirschmann MQS plug
- +/- 3.6° angle degree accuracy over the entire display range
- Operating voltage gauges 8 – 32 V
- Integrated warning alarm
- Supports all our standard sensors
- Reverse polarity protection
- Anti-fog double lens
- Front side protection rating IP67
- 52 mm installation diameter
- 50 mm installation depth



52 mm Fresh Water
0 – 1/1



52 mm Waste Water
0 – 1/1



52 mm Current
-60/+60 A



52 mm Rudder Angle
-40°/+40°

RANGE outer/inner	VOLTAGE	COLOR	INPUT	ARTICLE NR
Fresh Water (capacitive)				
0 – 1/1	8 – 32 V	Black White	4 – 20 mA	A2C59514676 A2C59514677
Waste Water				
0 – 1/1	8 – 32 V	Black White	4 – 20 mA	A2C59512342 A2C59512343
Current				
-60/+60 A	8 – 32 V	Black White	60 mV	A2C59512328 A2C59512330
-150/+150 A	8 – 32 V	Black White	60 mV	A2C59512329 A2C59512331
Rudder Angle				
-40°/+40°	8 – 32 V	Black White	3 – 180 Ω	A2C59514154 A2C59514230
Hour Counter-Voltmeter				
	9 – 48 V	Black White		B00005302 B00006302
Acoustic Buzzer				
	12-24 V	Black		B00005302



52 mm Hour Counter-Voltmeter



Accoustic Buzzer

NAVIGATION – WHERE THE WIND TAKES YOU

NAVIGATION

The **OL** Navigation gauges display compass, wind angle, apparent wind angle magnified, wind speed and depth information received from NMEA 2000® data bus.

RANGE	VOLTAGE	COLOR	ARTICLE NR
Compass			
360°	12-24 V	Black	A2C1957380001
Wind Angle			
360°	12-24 V	Black	A2C1957400001
Apparent Wind Angle Magnified			
360°	12-24 V	Black	A2C1957390001
Wind Speed			
0 – 50 knots	12-24 V	Black	A2C1957420001
Depth			
200 m / 660 feet	12-24 V	Black	A2C1957360001



85 mm Wind Angle Magnified



Professional Rudder Angle Indicator

PROF. RUDDER ANGLE INDICATOR

The **OL** Professional Rudder Angle Indicator suits any commercial applications thanks to the embedded NMEA 0183 transreceiver. Its infrared push button allows for a user-friendly fine tuning of the predefined calibration.

RANGE	VOLTAGE	COLOR	ARTICLE NR
Rudder			
-45°/+45°	8-32 V	Black	B00067401

NAVSENSOR

The multifunctional **NAVSENSOR** offers an inertial sensor with a GNSS receiver module to provide the accurate readings of speed of travel as well as pitch & roll. Compass readings can be displayed electronically thanks to the embedded Fluxgate compass, which also facilitate course corrections in electronic autopilots. The barometer and air temperature sensors are early indicators of forthcoming weather conditions



NavSensor

SPECIFICATIONS

- NMEA 2000® certified
- IPX6 extended protection rating
- GPS Module: position, time, boats vector, signal quality, satellites
- Compass: +/-40° tilt angle, <2° accuracy, alarm (rapid field strength change, tilt angle overrun, undervoltage condition)
- Barometer and air temperature sensor
- Operating temperature range -20°C/+70°C

VOLTAGE	ARTICLE NR
12 – 24 V	A2C59501981



Triducer Sensor

NMEA 2000 TRIDUCER SENSOR

Through-hull 100 W multisensor provides depth, speed, attitude and seawater temperature data. The sensor is NMEA 2000® certified and thanks to the built-in Bluetooth Low Energy interface can be easily calibrated with your smartphone.

VOLTAGE	ARTICLE NR
9 – 16 V	IDST 810-40-01



WIND SENSORS

The wind vane turns in the direction of the wind and steers the wind direction gauge. The wind cups record the relative wind speed which in turn is displayed on the wind speed gauge.

VARIANT	ARTICLE NR
Wind Short Arm Sensor NMEA 2000®	A2C59501984
Wind Short Arm Sensor Analog	A2C59501983

RUDDER ANGLE SENSORS

SINGLE STATION

VOLTAGE	RESISTANCE	ARTICLE NR
12-24 V	10 – 180 Ω	A2C1102950001

DUAL STATION (FLY BRIDGE)

VOLTAGE	RESISTANCE	ARTICLE NR
12-24 V	5 – 90 Ω	A2C1102960001



Rudder Angle Sensor

DISCOVER MORE

VERATRON GO. ONE LOOK – DIFFERENT FUNCTIONS.

VERATRON GO is NMEA 2000® certified and features an integrated GPS/GLONASS/GALILEO receiver. Compact and easy to install, it does not require any additional protection against harsh weather conditions. The **GO PLUS** variant integrates a Bluetooth 5.1 Low Energy interface allowing the visualization of boat data on your portable devices, such as smartphone or tablet. The **GO DATA** variant provides you with Bluetooth.



KEY FEATURES

- High-performance GNSS receiver
- 10 Hz update rate 72 channels
- Very high tracking sensitivity
- Bluetooth Low Energy gateway
- All your vessel data on your smart device
- Powered by NMEA 2000® network
- NMEA 2000® certified
- Global BLE certified

Smallest NMEA 2000® GNSS antenna on the market.

ART. NR. B00034901

GO GPS

Veratron GO is the smallest NMEA 2000® certified GNSS receiver on the market which supports GPS / GLONASS / GALILEO constellations. Compact and easy to install, it does not require any additional protection against harsh weather conditions.

ART. NR. B00041601

GO DATA

Veratron GO Data is an NMEA 2000® to Bluetooth Low Energy (BLE) gateway. Together with the Veratron smartphone and tablet apps you can monitor your engine, read your sailing performance data, keep an eye on your batteries status and receive alarm notifications.

ART. NR. B00041701

GO PLUS

Veratron GO Plus is a combined GPS receiver and NMEA 2000® to Bluetooth Low Energy (BLE) gateway and combines all the features of the Veratron GO and the Veratron GO Data devices in a single unit.

ART. NR. B00193301

SUZUKI GO PLUS

Suzuki Veratron GO Plus comes with the same features as the GO Plus. It is fully compatible with the Suzuki SDMS+ App with Engine and Driving insights and requires Suzuki SMG4 for connection.

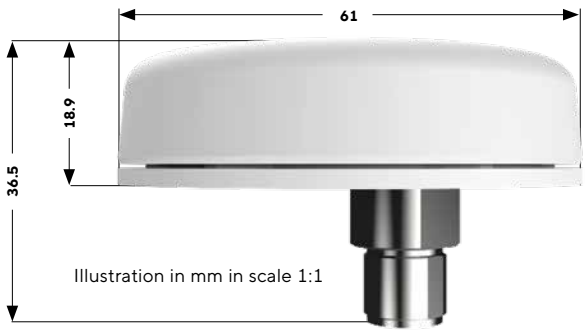


Illustration in mm in scale 1:1



ACCESSORIES	ARTICLE NR
Top-mount bracket for Veratron Go (with screws)	B00062402



DOWNLOAD THE NAVDASH APP

Available on the App Store

Get it on Google play

ELECTRONIC CONTROL UNITS AND GATEWAYS

ENGINEBOX

The EngineBox has a NMEA 2000® and J1939 CAN ports. The EngineBox can also be used on older, completely analog engines, thanks to the analog input ports provided and designed for RPM data, resistive sensors and capacitive sensors.

The ENGINEBOX is available in 2 versions:
Single Engine and Dual Engine. The Dual Engine version is designed with double frequency and resistive inputs. It allows for a simplified installation wiring within minimized required installation space, therefore reducing the commissioning time.

The EngineBox has to be set up using an intuitive PC configuration tool making it easy for programming the inputs (delivered free of charge). Thanks to the ISO 8846:1990 compliance, the EngineBox is also designed to be installed in engine compartments.





EngineBox

SPECIFICATIONS

- Analog to NMEA 2000® gateway
- J1939 to NMEA 2000® gateway
- 2 Models for single engine and dual engine configurations
- Compact design
- Status LED
- Operating temperature range -40 °C / +85 °C

- 1x J1939 (2x J1939 Dual Engine)
- 1x M12 5 pins NMEA 2000®
- 1x Input 0 – 4 kHz for RPM (2 inputs with Dual Engine Model)
- 4x Input 0 – 400 Ω (8 inputs with Dual Engine Model)
- 2x Input 4 – 20 mA
- 2x Input 0 – 5 V (4 inputs with Dual Engine Model)

ENGINE	ARTICLE NR
Single Engine	A2C1824820001
Double Engine	A2C1767000001

Simplifying complexity.
Connecting performance.

DISCOVER MORE

THE LINKUP SERIES

Single function gateways to integrate sensor readings to NMEA 2000®

The single-sensor **LINKUP GATEWAYS** provide an easy method to convert vessel and engine information to NMEA 2000®. Available in different variants: resistive, voltage, LIN, J1939, IBS and 2-in-1 those can be easily configured through either the embedded AirWave-based Airlink interface or NMEA 2000 ® by means of our Configuration Tool. The ISO 8846:1990 compliance completes the devices by allowing their installation into engine compartments.

GENERAL FEATURES

- No additional NMEA 2000® converter required
- Reduces the wiring, the gateway is installed where needed
- Contactless configuration with your smartphone, no expensive HW required!
- Powered by NMEA 2000® - no additional power supply
- Approved for engine compartment installation according to ISO 8846:1990



DOWNLOAD THE MOBILE APP

WIRELESS CONFIGURATION IN JUST 4 STEPS:

1. Near your smartphone to the LinkUp area
2. Select the sensor and type in its configurations
3. Configure an alarm
4. Tap again your smartphone onto the LinkUp to program it instantly!

TECHNICAL DATA

Operating voltage	6 – 16.5 V
Protection class	IP X9/K
Nominal voltage	12 V / 24 V
Power consumption	≤ 15 mA (normal mode) ≤ 120 µA (sleep mode)
Output signal	NMEA 2000®
Operating temperature	-40° C to 115° C
Flammability	UL94 compliant
Compliance	CE, Reach, RoHS
Housing Material	PC-FR

VARIANTS	ARTICLE NR
LinkUp Resistive	B00042201
LinkUp Pyrometer	B00042301
LinkUp IBS 12 V / 12 V II	B00042501 / B00042502
LinkUp IBS 24 V	B00070401
LinkUp 2-in-1	B00070501
LinkUp J1939	B00042401
LinkUp 0-5 Volt	B00059201

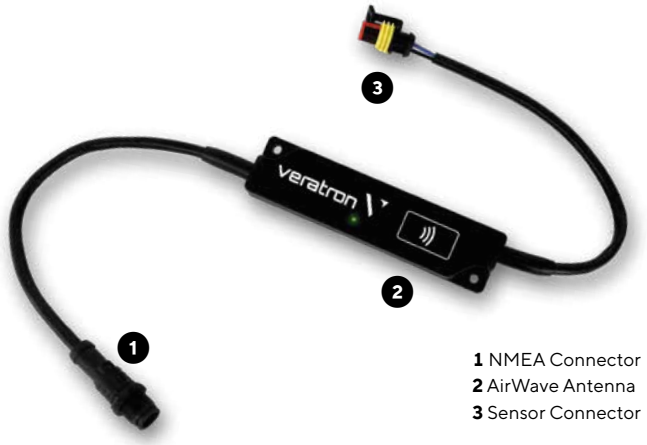
DESIGN



NMEA 2000®-SIDE WIRING
DeviceNet M12 connector 5 pins, 12 V power supply from the network!

LINKUP HOUSING
Contains the device electronics
Notification LED, Wireless interface

SENSOR-SIDE WIRING
Different depending on the sensor to interface



1 NMEA Connector
2 AirWave Antenna
3 Sensor Connector

LinkUp reduces wiring, is fast, powerful and cost-effective

ART. NR. B00042201

RESISTIVE

The **RESISTIVE LINKUP** gateway is designed to interface and convert resistive sensors measurements – such as Level, Temperature, or Pressure sensors – to the NMEA 2000® digital era. Optimized for a 0–2000 ohm range, it can be configured with predefined sensor curves as well as with a customized characteristic to ensure compatibility with most of the sensors in the field.

FACTS AND BENEFITS

- Customizable sensor curves
- Approved for engine compartments
- Alarms setup + transmission on NMEA 2000®
- Plug-and-play installation with Veratron Dip-pipe level sensors

NMEA PGNS

Rudder	127245
Fluid Level	127505
Engine Parameters, Rapid Update	127488
Engine Parameters, Dynamic	127489
Transmission Parameters, Dynamic	127493
Trim Tab Status	130576

SUPPORTED CONFIGURATIONS

Fuel Level	Coolant Temperature
Fresh Water Level	Boost Pressure
Waste Water Level	Oil Pressure
Trim Position	Oil Temperature
Trim Tabs	Gear Oil Pressure
Rudder Angle	Gear Oil Temperature

ART. NR. B00042301

PYROMETER

Specific **LINKUP** variant designed to interface the Veratron Pyrometer thermocouple (N03-320-264)

GENERAL BENEFITS

- High precision probe for exhaust gas temperature (EGT) measurement
- Electrically compensated wires
- Extremely high temperature resistance
- Early warning of situations that are potentially dangerous for the engine!
- Helps preventing severe damages to the engine
- Can also be used as a guide for optimizing fuel economy







THE KIT INCLUDES

1 / Link-Up Pyrometer	B000423
2 / 6 m extension cable with high temperature resistance included	B000632
3 / Pyrometer thermocouple	N03-320-264

NMEA PGNS

Exhaust Temperature	130316

B00042501 (12 V) / B00042502 (12 V II) / B00070401 (24 V)

INTELLIGENT BATTERY SENSOR (IBS)



The **INTELLIGENT BATTERY MONITORING SYSTEM** informs you about the current energy status, allowing you to plan your energy supply making it the key element of the vessel's energy management. In order to carefully preserve the energy of the boat battery, it is necessary to know its State of Charge, the ageing status (State of Health) and any changes to the battery, as weak batteries are the main cause of trouble in the boat.

FACTS AND BENEFITS

- **12 V and 24 V** Intelligent Battery Sensors (IBS)
- Determines the current status of your battery to support energy management planning
- Helps to preserve battery life by reporting its State of Health
- Delivers **real-time measurements** preventing overcharging and overheating which can shorten battery life

	12 V B00042501	**12 V II** B00042502	**24 V** B00070401
Operating voltage	6 – 16.5 V	6 – 18 V	7.5 – 32 V
Permanent load current	± 155 A	± 200 A	± 200 A
Max current	± 1500 A	± 1500 A	± 2000 A
Threaded GND bolt (Battery pole adapter included)	M8	M6	M8
Max battery capacity	249 Ah	500 Ah	255 Ah

DESIGN AND FUNCTION

The **IBS** is attached directly to the negative pole of the battery via its pole terminal. Alongside the terminal, the mechanical portion of the battery sensor consists of the shunt and grounding bolt.

DELIVERED DATA

Battery Voltage

Battery Current

Battery Temperature

State of Charge (SOC): Current charge status of the battery, defined in percentage

State of Health (SOH): Ageing status of the battery, loss of capacity over time

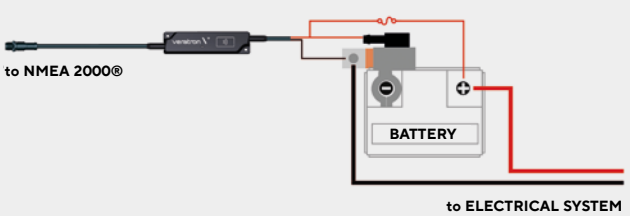
Autonomy: Estimated battery duration based on the instantaneous current consumption of the system

NMEA PGNS

DC Detailed Status	127506
Battery Status	127508
Battery Configuration Status	127513

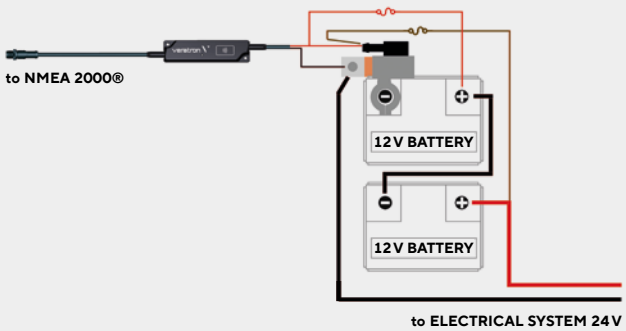
12 VOLT SYSTEMS

- Two sensors available for 12 V batteries
- IBS is connected to the battery negative pole
- Measuring line to the positive pole



24 VOLT SYSTEMS

- Series of two 12 V batteries
- IBS is connected to the battery neg. pole of one 12 V battery
- Fused connections to the 12 V and 24 V positive poles





ART. NR. B00070501

2-IN-1 (PRESSURE + OIL TEMPERATURE)

This sensor measures pressure or temperature of transmission or engine oil while providing the data to the **LINKUP**, which translates it to the NMEA 2000® standard.

FACTS AND BENEFITS

- Interface to the new electronic 2-in-1 sensor
- Oil temperature and pressure in a single sensor
- Rugged and reliable design derived from the automotive field
- ASIC-controlled sensor
- PWM output to transmit both pressure and temperature



NMEA PGNS

Engine Parameters, Dynamic	127489
Transmission Parameters, Dynamic	127493

TECHNICAL DATA

M12 mounting thread
IP 69/K protection class
5V power feed provided by the LinkUp
Temperature Accuracy: +/- 2°C (@20-135°C) +/- 1°C (@135-160°C)
Pressure Accuracy: +/- 0.15bar (@0.5-3bar), +/- 0.2bar (@3-5.5bar), +/- 0.3bar (@5.5-10.5bar)
Temperature range: -40 °C + 160 °C
Pressure range: 0.5 to 10.5 bar
1 m cable length



ART. NR. B00042401

J1939 GATEWAY

The **LINKUP J1939** will bridge all your CAN engine data, transmitted on the CAN-J1939-Bus, to the NMEA 2000® standard, making all the engine and diagnostic information available for any NMEA 2000®-capable display.

FACTS AND BENEFITS

- J1939 to NMEA 2000® gateway to bring engine data to your boat network
- Delivers engine diagnostic to your MFD or smartphone in conjunction with a Veratron GO device
- Galvanic isolation between J1939 and NMEA 2000® networks
- Optional Y-shaped adapter cables to interface specific engines

SUPPORTED DATA

Engine Speed	Transm. Oil Temp.
Engine Hours	Exhaust Temp.
Engine Load	Fuel Level
Engine Oil Temp.	Fuel Press.
Engine Oil Press.	Fuel Rate
Coolant Temp.	Inst Fuel Economy
Coolant Press.	Alternator Current
Boost Press.	Alternator Potential
Percent Torque	Battery Potential
Transm. Oil Press.	Transmission Gear

SUPPORTED ALARMS

Low Fuel Press.	Low Battery Voltage
Water In Fuel	Engine Overspeed
Low Engine Oil Level	High Gear Oil Temp.
Low Engine Oil Press.	Low Gear Oil Press.
High Boost Press.	Low Oil Level
High Coolant Temp.	High Oil Temp.
Low Coolant Level	Lamps' Status



ART. NR. B00059201

0-5 VOLT

The voltage-type LinkUp gateway provides an easy method to convert vessel and engine information to NMEA 2000®.

FACTS AND BENEFITS

- 5V output for sensor feed
- Designed for electronic sensors
- Customizable sensor curves
- Approved for engine compartments
- Alarms setup + transmission on NMEA 2000®

SUPPORTED DATA

Fuel Level	Boost Pressure
Freshwater Level	Oil Temperature
Wastewater Level	Oil Pressure
Trim Level	Gear Oil Pressure
Rudder Angle	Gear Oil Temp.
Coolant Temp.	Trim Tabs

SUPPORTED ALARMS

Coolant Temperature
Boost Pressure
Oil Temperature
Oil Pressure
Gear Oil Pressure
Gear Oil Temperature

SENSORS – HIGH PRECISION FOR YOUR SAFETY

Sensors for electronically controlled safety functions are the eyes, ears and antenna of a modern-day high-tech vehicle. Nothing escapes them – neither the smallest temperature deviation inside cooling systems, nor the monitoring of engine and gear oil temperature. Intelligent safety systems are inconceivable without them. Over the past 60 years, we have continuously refined and perfected our sensors that now have reached an utmost degree of precision.



FUEL LEVEL SENSORS

Aftermarket Package: Fuel Level Sensor (resistive) with adjustable lever, sealing kit N05-801-432

SINGLE STATION

VOLT.	SIGN. RANGE empty / full	LENGTH adjustable	ARTICLE NR
12-24 V	3 – 180 Ω	150 - 600 mm	226-801-015-001G **Bulk:** 226-801-015-001C
12-24 V	240 – 33.5 Ω	150 - 600 mm	A2C1364580001 **Bulk:** A2C1364580002



AMMETER SHUNT

A shunt is a resistor that causes a small voltage drop. This voltage drop in mVolt is proportional with the current in ampere that goes through the resistor. This voltage is measured by the Ammeter. The advantage of the shunt is that thick wires are no longer needed at a high current (>10 A). To measure the total flow you only need two thin wires from the measuring instrument to the shunt in the earth connection of the main system.

VOLT.	RANGE	INPUT	ART. NR
12-24 V	-60/+60 A	60 mV	A2C59514043
12-24 V	-150/+150 A	60 mV	A2C59514047

Intelligent safety systems are inconcievable without these sensors

DIP-PIPE LEVEL SENSOR / ARTICLE NUMBERS

LENGTH	SIGNAL RANGE 90 – 4 Ω	0 – 180 Ω	240 – 33 Ω
150 mm	A2C1749300001	A2C1720030001	A2C1746020001
160 mm	A2C1749310001	A2C1742410001	A2C1746030001
170 mm	A2C1749370001	A2C1742980001	A2C1746040001
180 mm	A2C1749950001	A2C1744170001	A2C1746060001
190 mm	A2C1750030001	A2C1744180001	A2C1746100001
200 mm	A2C1750040001	A2C1744190001	A2C1746120001
210 mm	A2C1750100001	A2C1744200001	A2C1746130001
220 mm	A2C1750120001	A2C1744210001	A2C1746140001
230 mm	A2C1750130001	A2C1744220001	A2C1746150001
240 mm	A2C1750170001	A2C1744230001	A2C1746170001
250 mm	A2C1750190001	A2C1744240001	A2C1746190001
260 mm	A2C1750200001	A2C1744250001	A2C1746220001
270 mm	A2C1750210001	A2C1744260001	A2C1746300001
280 mm	A2C1750220001	A2C1744270001	A2C1746390001
290 mm	A2C1750230001	A2C1744280001	A2C1746420001
300 mm	A2C1750240001	A2C1744290001	A2C1746450001
310 mm	A2C1750250001	A2C1744300001	A2C1746990001
320 mm	A2C1750260001	A2C1744310001	A2C1747000001
330 mm	A2C1750270001	A2C1744320001	A2C1747020001
340 mm	A2C1750280001	A2C1744350001	A2C1747030001
350 mm	A2C1750290001	A2C1744360001	A2C1747050001
360 mm	A2C1750300001	A2C1744370001	A2C1747060001
370 mm	A2C1750310001	A2C1744380001	A2C1747080001
380 mm	A2C1750320001	A2C1744390001	A2C1747090001
390 mm	A2C1750330001	A2C1744400001	A2C1747130001
400 mm	A2C1750340001	A2C1744410001	A2C1747140001
410 mm	A2C1750350001	A2C1744420001	A2C1747150001
420 mm	A2C1750360001	A2C1744430001	A2C1747160001
430 mm	A2C1750380001	A2C1744440001	A2C1747170001
440 mm	A2C1750390001	A2C1744450001	A2C1747190001
450 mm	A2C1750420001	A2C1744460001	A2C1747200001
460 mm	A2C1750440001	A2C1744470001	A2C1747210001
470 mm	A2C1750460001	A2C1744480001	A2C1747220001
480 mm	A2C1750470001	A2C1745780001	A2C1747230001
490 mm	A2C1750490001	A2C1745790001	A2C1747240001
500 mm	A2C1750500001	A2C1745800001	A2C1747250001
550 mm	A2C1750530001	A2C1745810001	A2C1747260001
600 mm	A2C1750570001	A2C1720100001	A2C1747270001
650 mm	A2C1750620001	A2C1745820001	A2C1747280001
700 mm	A2C1750650001	A2C1745830001	A2C1747290001
750 mm	A2C1750730001	A2C1745840001	A2C1747300001
800 mm	A2C1750740001	A2C1745880001	A2C1747340001
850 mm	A2C1750750001	A2C1745890001	A2C1747350001
900 mm	A2C1750760001	A2C1745900001	A2C1747360001
950 mm	A2C1750770001	A2C1745910001	A2C1747370001
1000 mm	A2C1750790001	A2C1745920001	A2C1747380001
1050 mm	A2C1750810001	A2C1745930001	A2C1747390001
1100 mm	A2C1750840001	A2C1745940001	A2C1747410001
1150 mm	A2C1750850001	A2C1745950001	A2C1747420001
1200 mm	A2C1750860001	A2C1745960001	A2C1747430001
1400 mm	B00068601	-	-



DIP-PIPE LEVEL SENSORS

The Dip-Pipe Level Sensor is ideal for usage in fuel tanks. Its 38 mm diameter vertical tube contains a float inside, which measures the liquid's level. Small holes at the top and bottom of the tube act as a baffle to fuel sloshing around in the fuel tank, so the float position remains stable at any sea state. The sensors are made in various lengths starting from 150 mm up to 1200 mm – when selecting the sensor, make sure that the length chosen is at least 4 mm from the base of the fuel tank once fitted.

SPECIFICATIONS

- TE Superseal Connector IP67
- Compensation chamber
- Flange: PA66 GF30
- Wiring harness with length of 200 mm
- 3 Signal ranges: 90 – 4 Ω, 0 – 180 Ω, 240 – 33 Ω
- Length: 150 mm – 1200 mm
- Mounting diameter: 54 mm
- IP67 protection rating

AFTERMARKET PACKAGE

Dip-Pipe Level Sensor, Safety and Installation Instructions, Installation Kit A2C17593300

ACCESSORIES

6 m Wiring	A2C1756300001

FLANGE ADAPTER KIT

The Flange Adapter Kit can be adapted to our brand-new Fuel Level Sensor replacing the old 80 mm sensor. A cross reference list (provided by our sales offices) will allow you to find the correct sensor replacing the defective one. Our Flange can be adapted to any of our liquid level sensors.

This is a complete solution in case of defective Fuel Level Sensors.



ART.NR. B00001201



NMEA 2000® Liquid Level Sensor (capacitive)

NMEA 2000® LIQUID LEVEL SENSOR (CAPACITIVE)

Our NMEA 2000® Liquid Level Sensor, with adjustable dip, provides you with fresh and waste water level.

VOLTAGE	LENGTH	ARTICLE NR
12 V	200 – 600 mm	B00041201
12 V	600 – 1200 mm	B00041401
12 V	1200 – 1500 mm	B00041501



Fresh Water Capacitive Sensor

FRESH WATER LEVEL SENSORS

AFTERMARKET PACKAGE

Fresh Water Level Sensor (capacitive) with adjustable dip, sealing kit N05-001-370

VOLT.	SIGN. RANGE	LENGTH	ARTICLE NR
12-24 V	4 – 20 mA	80 – 600 mm	N02-240-402
12-24 V	4 – 20 mA	600 – 1200 mm	N02-240-404
12-24 V	4 – 20 mA	1200 – 1500 mm	N02-240-406



Waste Water Capacitive Sensor

WASTE WATER LEVEL SENSORS

AFTERMARKET PACKAGE

Waste Water Level Sensor (capactive) with adjustable dip, sealing kit N05-016-930

VOLT.	SIGN. RANGE	LENGTH	ARTICLE NR
12-24 V	4 – 20 mA	200 – 600 mm	N02-240-902
12-24 V	4 – 20 mA	600 – 1200 mm	N02-240-904
12-24 V	4 – 20 mA	1200 – 1500 mm	N02-240-906

COMBINED OIL PRESSURE / TEMPERATURE SENSOR



RANGE	VOLT.	SIGNAL RANGE	THREAD	ARTICLE NR
-40° / +160° C 0.5 - 10.5 bar	5 V	PWM	M12	B00084301

PYROMETER SENSOR

THERMOCOUPLE ELEMENT

RANGE	TERMINALS	ARTICLE NR
100 – 900 °C 250 – 1650 °F	Red = Negative Yellow = Positive	N03-320-264



PYROMETER NMEA 2000® KIT

ARTICLE NR: B00042301 (LinkUp gateway included)

CONNECTING CABLE

LENGTH	TERMINALS	ARTICLE NR
6 m	White = Negative Blue = Positive	B00063201

THREADED BUSHING FOR WELDING TO MANIFOLD

ARTICLE NR: N03-320-266

BATTERY SENSOR

INTELLIGENT BATTERY SENSOR (IBS)

The Intelligent Battery Sensor (IBS) is the key element of vehicle energy management. The IBS reliably and accurately measures the battery parameters: voltage, current and temperature.

NOMINAL VOLTAGE	MAX. CAPACITY	ARTICLE NR
12 V	500 Ah	B00084201
24 V	250 Ah	B00072101



Intelligent Battery Sensor



KITS – SMALL BOX, BIG CAPABILITY.



VL FLEX IBM KIT

The VL Flex IBM Kit includes:

- VL Flex 52 instrument
- Intelligent Battery Sensor (IBS) (incl. Battery pole adapter)
- 6-meter long wiring harness

Delivered Data:

- Voltage
- Current
- Battery temp.
- State of charge
- Battery health
- Autonomy

VOLTAGE	ARTICLE NR
12 V	B00084701
24 V	B00084801

BENEFITS

- Ready for connecting to Veratron dip-pipe liquid level sensors
- Continuous monitoring of battery status
- Support of battery maintenance
- Easy configuration with the mobile app

12/24 VOLT · RESISTIVE INPUT · AIRWAVE READY



Everything you need, to know your battery health and status at any time!



VMH 35 OUTBOARD ENGINE KITS

VMH 35 Outboard Engine Kits include:

- VMH 35 Display
- IBS 12V 250 Ah with battery adapter
- Wire harness 6m with connectors for level sensor and IBS
- Bullet terminals for tachometer trim and power supply

VARIANTS	ARTICLE NR
VMH 35 Kit	B00085502
VMH 35 Kit 0-5 V	B00143502

Upgrade your boat to the digital world!

SMART KIT

The **SMART KIT** is composed of an **OL43** or **VMH70** TFT Display, our new GPS module **VERATRON GO** and all the necessary cables for installation and conection. All your data are displayed on the TFT Display.

VARIANTS	ARTICLE NR
Smart Kit / OL43	B00126102
Smart Kit / VMH70	B00129202

SMART KIT 4.3"



SMART KIT 7"



NAVIGATION KIT OL43

Complex boats need a smart solution. And we have it. OL43 display is the only product on the market able to interpret CAN, NMEA 2000® and analog signals without any additional external device.

The Navigation Kit is the solution!
Our Navigation Kits will become an essential crew member which ensures top performance in open seas, even in the most extreme situations.

ALL IN ONE BOX
All you need is in one box including wiring harness and terminators. All products are REACH and RoHS compliant and NMEA 2000® certified.

ARTICLE NR
B00126103

The Navigation Kit includes:
- Wind Sensor NMEA 2000®
- Veratron GO+
- OL43 TFT Display
- NMEA 2000® Cable 30 m
- NMEA 2000® Cable 6 m
- NMEA 2000® Terminator Female
- NMEA 2000® Inline Terminator
- 2x NMEA 2000® T-Splitter


NMEA 2000® Wind Sensor


OL 43 TFT Display


Veratron GO Plus

SAILING KIT

Have your boat ready for the sailing season with the Sailing Kit, the fundamental setting for your sailing boat.

The Sailing Kit brings all the necessary tools for your sailing journeys. All you need is in one box including wiring harness and terminators. All products are REACH, RoHS and NMEA 2000® compliant. The Kit provides the elementary yet essential set-up to make your sailing trips safe while having access to all necessary information.

The Kits products are a must have on a sailing boat and offer a high functionality and readability, thanks to the analog displays.

RoHS COMPLIANT · REACH COMPLIANT · NMEA 2000 GATEWAY

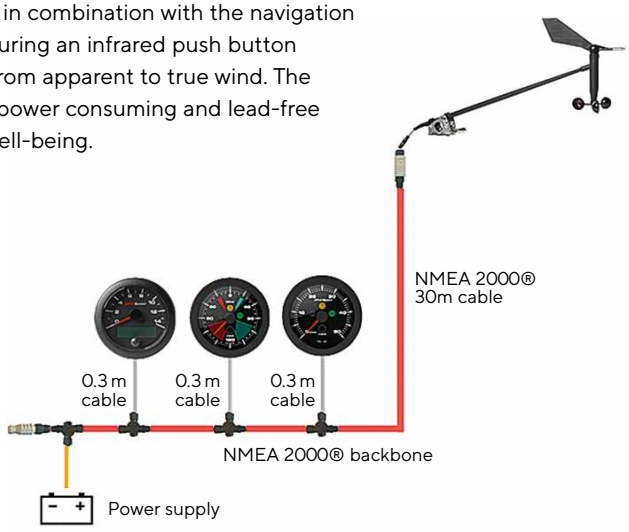
ARTICLE NR

A2C3935310001

The Sailing Kit includes:

- 1 OL GPS Speedometer
- 1 wind sensor
- OL Navigation gauge wind angle
- OL Navigation gauge wind speed

The NMEA 2000® certified GPS Speedometer has an embedded GPS receiver for speed and heading indications, avoiding the need of additional sensors on board. It also serves for calculation of true wind data in combination with the navigation wind gauges featuring an infrared push button for a fast switch from apparent to true wind. The Sailing Kit is low-power consuming and lead-free for our planet's well-being.



Easy to install, the Sailing Kit provides necessary data to assist you during your journey.



ACCESSORIES

VMH SERIES ACCESSORIES

ITEM SPECIFICS	ARTICLE NR
VMH 70 Engine 1 power and data cable*	A2C1507870001
VMH 70 Engine 2 data cable*	A2C1992110001
VMH 70 Video cable 0.3 m	A2C1845710001
VMH 70 Suncover	B00134401
VMH 70 Panel Mounting Kit	B00067201
VMH 70 / 35-D CAT adapter cable Kit	B00246801
VMH 35 Power cable with EasyLink	A2C14333300
VMH 35 Spinlock Nut - 85mm	A2C1376090001
VMH 35 Rubber Gasket - 85mm	A2C14624100
VMH 35 Suzuki adapter harness (Suzuki only)	B00208201
VMH 35 Wiring harness for outboard engines	B00106601
VMH Flex Harness - J1939 Version	B00181701
VMH Flex Harness - NMEA Versions	B00181801
VMH 14 Satellite Display	B00109901
EasyLink extension cable	A2C59500139
IBS (Intelligent Battery Sensor) 12V Gen. I	B00043901
VMH Flex / VMH 14 Spinlock Nut - 52mm	A2C5205947101
VMH Flex / VMH 14 Rubber Gasket - 52mm	A2C1141440001
Adapter Cable IBS 12 V	B00090601
Adapter Cable IBS 24 V	B00090701



VMH 70 Suncover



VMH 70 CAT adapter cable kit



VMH 14 Satellite



EasyLink extension cable

OL SERIES ACCESSORIES

ITEM SPECIFICS	ARTICLE NR
OL43 Power cable with EasyLink	A2C14333300
OL43 Ethernet to M12 adapter	B00229201
OL43 to CAT adapter cable Kit	B00246801
Suncover for OL43 display	B00129601
Spinlock nut, 52 mm	A2C5205947101
Spinlock nut, 85 mm	A2C1376090001
Round Bezel 52 mm, black	A2C1141440001
Round Bezel 52 mm, chrome	A2C5336487001
Round Bezel 52 mm, white	A2C1352110001
Round Bezel 85 mm, black	A2C1111380001
Round Bezel 85 mm, chrome	A2C1141580001
Round Bezel 85 mm, white	A2C1352140001



Suncover for OL43 display

VL SERIES ACCESSORIES

ITEM SPECIFICS	ARTICLE NR
Spinlock nut 52 mm	A2C5205947101
Spinlock nut 80/85 mm	A2C5321223801
Spinlock nut 110 mm	A2C5323888101
Connector set 8 pin	A2C59510850
Connector set 14 pin	A2C59510851
Harness with 8-pole connector	A2C59512947
Harness with 14 pole connector	B00214601
VL Ammeter Harness	A2C59512679
VL GPS Speed / VL Flex NMEA harness	A2C9582260001
Bracket assembly mounting set	A2C59510854
Blindplug for Ø 52 mm	A2C5312164501
VL to WWG adapter cable	B00013402



Spinlock nut 52 mm



VL to WWG adapter cable



9 different styling bezels available

VL SERIES BEZELS

PROFILE	COLOR	ARTICLE NR
Ø 52 MM		
Flat	Black	A2C5318604001
	White	A2C5318602201
	Chrome	A2C5318602301
Triangular	Black	A2C5318602401
	White	A2C5318602501
	Chrome	A2C5318602601
Round	Black	A2C5318602701
	White	A2C5318602801
	Chrome	A2C5318602901
Ø 85 MM		
Flat	Black	A2C5319291101
	White	A2C5319291201
	Chrome	A2C5319291001
Triangular	Black	A2C5319291701
	White	A2C5319292001
	Chrome	A2C5319291801
Round	Black	A2C5319291301
	White	A2C5319291601
	Chrome	A2C5319291401

SENSOR ACCESSORIES

ITEM SPECIFICS		ARTICLE NR
Mast Cable (Analog Wind Sensor)	10 m	A2C9979290001
	30 m	A2C9979340001
Dip-Pipe Sensor 6 m Wiring Harness		A2C1756300001
Adapter Cable IBS 12 V		B00090601
Adapter Cable IBS 24 V		B00090701
Battery Pole Adapter for IBS 12/24 V, 250 Ah		B00068201
Battery Pole Adapter for IBS 12 V, 550 Ah		B00068401



Mast Cable

NMEA 2000® ACCESSORIES

ITEM SPECIFICS		ARTICLE NR
NMEA 2000® Cable	0.5 m	A2C9624370001
	2 m	A2C9624380001
	6 m	A2C9624400001
	10 m	A2C9624420001
	30 m*	A2C59501950
NMEA 2000® Power Cable		A2C3931290001
NMEA 2000® T Splitter		A2C3931270002
NMEA 2000® Terminator Female		A2C3931060001
NMEA 2000® Terminator Male		A2C3931100001
NMEA 2000® Inline Terminator		A2C3931250001
NMEA 2000® Infield Installation Connector Female		A2C3930850001
NMEA 2000® Infield Installation Connector Male		A2C3931050001



NMEA 2000® Cable



NMEA 2000® T Splitter

PREMIUM OUTDOOR INSTRUMENTATION ENGINEERED IN SWITZERLAND.

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