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AcquaLink[®] and OceanLink

Timeless instruments.



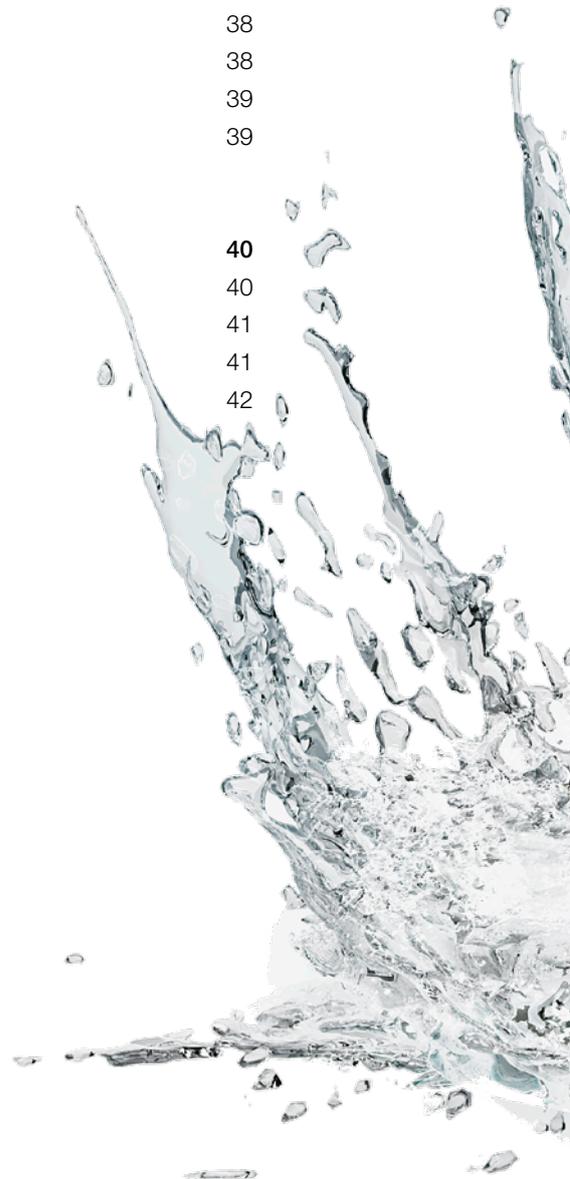
VDO



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AcquaLink® – Timeless instruments. High-quality design.

With over 50 years of experience VDO stands as one of the oldest marine suppliers in the industry. This sustained level of success is the product of our ongoing innovation, combined with our eye for design and dedication to quality. Our products have appealed to generations of clients in the sailing and motorboat sector, and our long-term vision is to serve many more generations to come.

In this scope we'd like to introduce you to AcquaLink®, our new comprehensive product range. Beyond gauges, AcquaLink® realizes state of the art solutions to provide customers with instantaneous, accurate nautical information. The instruments are designed for performance, with ease of use remaining an important attribute. The use of solely premium material, such as mineral glass lenses, guarantees the highest level of reliability and readability, as well as low energy consumption.

All AcquaLink® instruments are lead free, a token of our commitment to environmental responsibility. In line with this, our production plant is ISO 14001:2009 certified. In addition, the timelessly elegantly stylish yet modern design of AcquaLink® displays and gauges provides your cockpit with pleasant clarity. Every component of the AcquaLink® series fulfills highest standards with regard to functionality, design and quality.



*low power consumption
*lead-free instruments





The benefits of using AcquaLink®:

- Maximum precision and the deployment of pioneering technologies are equally important as ease of use and stylish design.
- All AcquaLink® components are made out of high class materials, like mineral glass, stainless steel and aluminum.
- All products are ISO/TS 9001 certified.
- Our plug and play solution design concept offers a high level of installation flexibility for panel and flush mounting instruments.
- A cross-platform standard offers maximum freedom in respect of cockpit customization.
- We ensure seamless integration and optimum utilisation of AcquaLink® devices for extreme conditions at sea.
- Our production in Europe guarantees highest quality standards according to TS-16949.
- Harmonised dashboard look.



NavControl



4.3" TFT display

TFT Displays



4.3" TFT display



4.3" TFT display

AcquaLink® multifunction TFT displays are available in 4.3" and 7" sizes. The full 24 bit / 16 mio colors optically bonded displays feature transmissive layer technology for unprecedented and unsurpassed readability even in direct sunlight. The TFT display a wide array of data received from the AcquaLink® NavBox or NMEA 2000®. Users can customize up to 40 different data pages with single, double, treble or quad grid layouts.

TFT displays can be daisy chained with other AcquaLink® gauges, displays or NavControls using the unique VDO Bus or directly connected to the NMEA 2000® backbone (optional adapter cable required) for simple installation on any yacht.

7" TFTs are equipped with capacitive multi touch screens to slide between pages whereas 4.3" displays require the use of a NavControl unit for data input and operation.

- 1x plug with 2x Video Input
- 2x VDO Bus connectors
- Operating temperature range -20°C / +70°C
- Protection level front and rear IPX6, IPX9K

Aftermarket package:

TFT Display, Bezel, Silicone Cover, Mounting Screws, Drilling Template, Installation Instructions, Safety Instructions

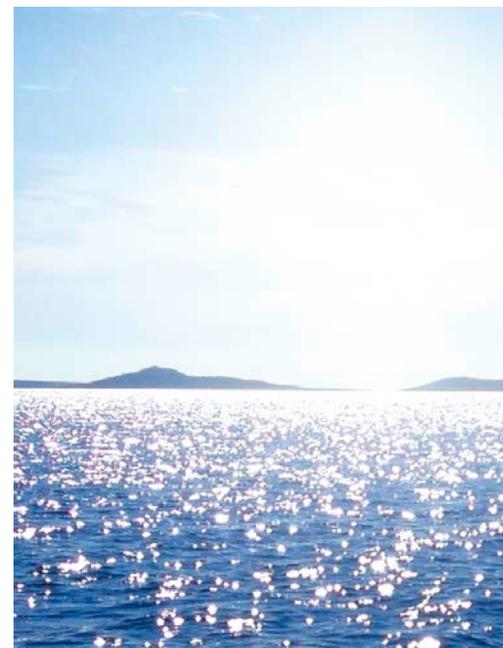
Voltage	Color	Resolution	Article number
4.3"			
12-24 V	Black White	480 x 272 (WQVGA)	A2C59501996 A2C3983940001
7"			
12-24 V	Black White	800 x 480 (WVGA)	A2C59501997 A2C3997470001



7" TFT display



7" TFT display



NavControl

The AcquaLink® NavControl can assume control of any AcquaLink® TFT display connected to the VDO Bus or NMEA 2000® network. Even multiple units can be connected to the same Bus without conflicts.

- 2x VDO Bus connectors
- Operating temperature range -20 °C / +70 °C
- Protection level front and rear IPX6, IPX9K

Aftermarket package:

NavControl, Bezel, Silicone Cover, Mounting Screws, Drilling Template, Installation Instructions, Safety Instructions

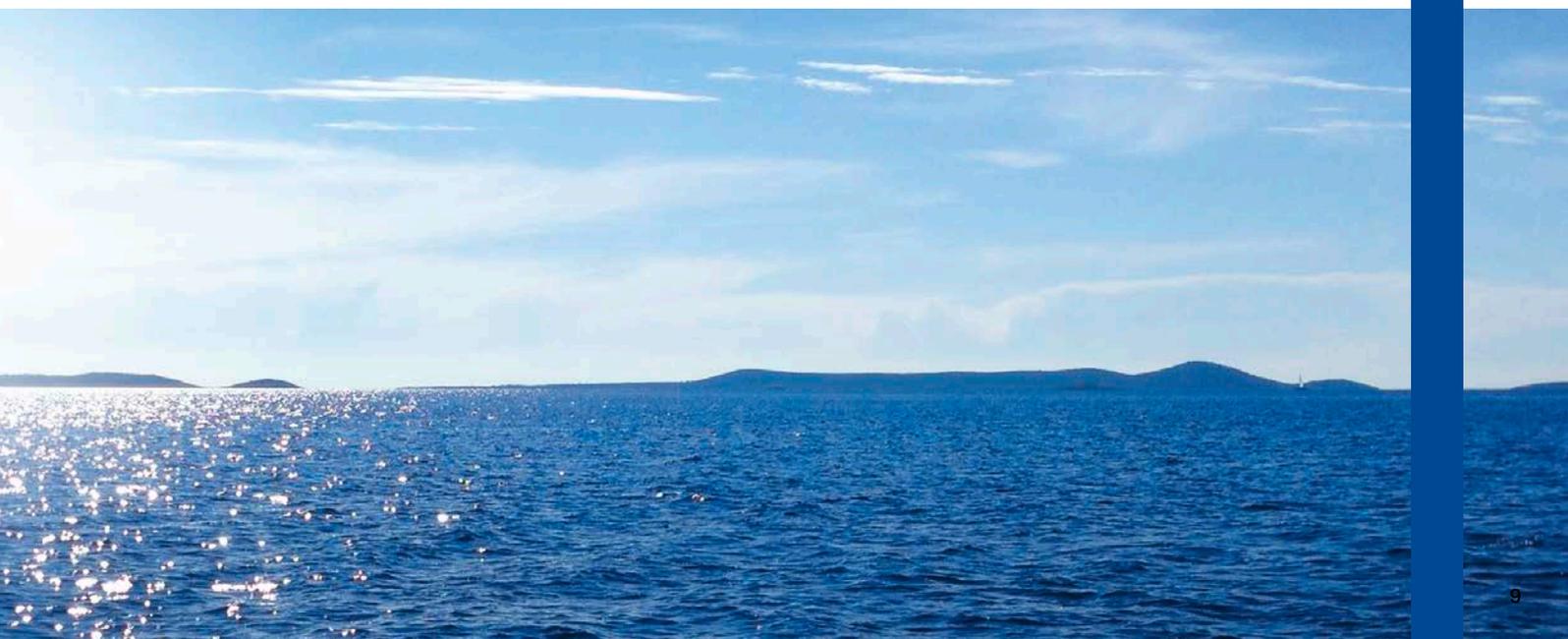
Voltage	Color	Article number
12–24 V	Black	A2C59501982
	White	A2C3997620001



NavControl



NavControl



AcquaLink® 110 mm Gauges

AcquaLink® 110 mm Gauges feature anti-fog coated mineral glass lenses and LED backlight technology. This allows superb readability in every situation.

The gauges can be daisy-chained, using the unique VDO Bus connection or connected to the NMEA 2000® network (optional adapter cable required). The available information provided by the

AcquaLink® NavBox or the NMEA 2000® network is indicated by the pointer movement.

The AcquaLink® Tachometer is a master up to 16 additional AcquaLink® 52 mm gauges. These gauges can be connected using the patented EasyLink serial bus.

Wind Gauges



110 mm apparent wind angle 360°



110 mm apparent wind angle magnified 360°



110 mm apparent wind speed 50 knots

The VDO Wind Gauges display wind speed and angle information received from the VDO AcquaLink® NavBox or the NMEA 2000® data bus.

- 2x VDO Bus connectors
- < 150 mA
- Reverse polarity protection
- Anti-fog coated mineral glass lens
- Front & rear side protection rating IPX6, IPX9K
- Operating temperature range -20 °C / +70 °C

Aftermarket package:

Gauge, Bezel, Rubber Seal, Spinlock, Drilling Template, Installation Instructions, Safety Instructions

Range	Voltage	Color	Article number
Apparent Wind Angle			
360°	12–24 V	Black White	A2C59501900 A2C1338770001
Apparent Wind Angle Magnified			
360°	12–24 V	Black White	A2C59501901 A2C1338780001
Apparent Wind Speed			
0–50 knots	12–24 V	Black White	A2C59501902 A2C1338940001



Tachometer

The VDO Tachometer displays RPM information received from the VDO AcquaLink® NavBox or the NMEA 2000® data bus and distributes additional engine information to optional 52 mm AcquaLink® EasyLink Gauges.

- 2x VDO Bus connectors, 1x AMP Superseal EasyLink
- < 150 mA
- Reverse polarity protection
- Anti-fog coated mineral glass lens
- Front & rear side protection rating IPX6, IPX9K
- Operating temperature range -20 °C / +70 °C

Aftermarket package:

Gauge, Bezel, Rubber Seal, Spinlock, Drilling Template, Installation Instructions, Safety Instructions

Range	Voltage	Color	Article number
3000 rpm	12–24 V	Black White	A2C59501913 A2C1338910001
5000 rpm	12–24 V	Black White	A2C59501914 A2C1338920001
7000 rpm	12–24 V	Black White	A2C59501915 A2C1338930001



110 mm tachometer 3000 rpm



110 mm tachometer 5000 rpm



110 mm tachometer 7000 rpm

Navigation Gauges



110 mm compass 360°

The VDO Navigation Gauges display depth, Speed over Ground, Speed through Water, Rudder Angle or Compass information received from the VDO AcquaLink® NavBox or the NMEA 2000® data bus.

- 2x VDO Bus connectors
- < 150 mA
- Reverse polarity protection
- Anti-fog coated mineral glass lens
- Front & rear side protection rating IPX6, IPX9K
- Operating temperature range -20 °C / +70 °C

Aftermarket package:

Gauge, Bezel, Rubber Seal, Spinlock, Drilling Template, Installation Instructions, Safety Instructions



110 mm rudder angle

Range outer/inner	Voltage	Color	Article number
Compass			
360°	12–24 V	Black White	A2C59501911 A2C1338790001
Rudder Angle			
80°	12–24 V	Black White	A2C59501912 A2C1338860001
Depth			
200 m / 660 feet	12–24 V	Black White	A2C59501903 A2C1338810001
600 feet / 180 m	12–24 V	Black White	A2C59501904 A2C1338820001
Speed over Ground (SOG)			
12 knots	12–24 V	Black White	A2C59501908 A2C1338870001
35 mph / 55 kmh	12–24 V	Black White	A2C59501910 A2C1338880001
70 mph / 115 kmh	12–24 V	Black White	A2C59501909 A2C1338900001
Speed through Water (LOG®)			
12 knots	12–24 V	Black White	A2C59501905 A2C1338830001
50 knots	12–24 V	Black White	A2C59501906 A2C1338850001
35 mph / 55 kmh	12–24 V	Black White	A2C59501907 A2C1338840001



110 mm depth 600 feet / 180 m



110 mm SOG 35 mph / 55 kmh



110 mm LOG® 50 knots



AcquaLink® 52 mm Gauges

AcquaLink® 52 mm Gauges are connected directly to any AcquaLink® 110 mm Tachometer using the patented EasyLink serial bus connection. Up to

16 EasyLink gauges for each Tachometer can be daisy chained together.

Temperature Gauges



52 mm coolant temperature
120 °C / 250 °F



52 mm engine oil temperature
300 °F / 150 °C



52 mm pyrometer 900 °C / 1650 °F

- AMP Superseal Easylink connector
- < 100 mA
- 270° pointer deflection angle
- Reverse polarity protection
- Anti-fog mineral glass lens
- Front & rear protection rating IPX6, IPX9K
- Operating temperature range -20 °C / +70 °C

Aftermarket package:

Gauge, Rubber Seal, Spinlock, Drilling Template, Installation Instructions, Safety Instructions

Range outer/inner	Voltage	Color	Article number
Coolant Temperature			
120 °C / 250 °F	12–24 V	Black White	A2C59501931 A2C3968900001
250 °F / 120 °C	12–24 V	Black White	A2C59501932 A2C1338570001
Engine Oil Temperature			
150 °C / 300 °F	12–24 V	Black White	A2C59501926 A2C1338620001
300 °F / 150 °C	12–24 V	Black White	A2C59501927 A2C1338630001
Pyrometer			
900 °C / 1650 °F	12–24 V	Black White	A2C59501933 A2C1338660001
1650 °F / 900 °C	12–24 V	Black White	A2C59501934 A2C1338670001

Pressure Gauges

- AMP Superseal Easylink connector
- < 100 mA
- 270° pointer deflection angle
- Reverse polarity protection
- Anti-fog mineral glass lens
- Front & rear protection rating IPX6, IPX9K
- Operating temperature range -20°C / +70°C

Aftermarket package:

Gauge, Rubber Seal, Spinlock, Drilling Template, Installation Instructions, Safety Instructions

Range outer/inner	Voltage	Color	Article number
Boost Pressure			
2 bar / 30 psi	12–24 V	Black White	A2C59501944 A2C1338720001
30 psi / 2 bar	12–24 V	Black White	A2C59501945 A2C1338730001
Engine Oil Pressure			
10 bar / 150 psi	12–24 V	Black White	A2C59501935 A2C1338600001
150 psi / 10 bar	12–24 V	Black White	A2C59501936 A2C1338610001
Transmission Oil Pressure			
30 bar / 440 psi	12–24 V	Black White	A2C59501937 A2C1338690001
450 psi / 30 bar	12–24 V	Black White	A2C59501938 A2C1338700001



52 mm boost pressure
30 psi / 2 bar



52 mm engine oil pressure
10 bar / 150 psi



52 mm transmission oil pressure
30 bar / 440 psi



52 mm fuel level Empty – Full

- AMP Superseal Easylink connector
- < 100 mA
- 270° pointer deflection angle
- Reverse polarity protection
- Anti-fog mineral glass lens
- Front & rear protection rating IPX6, IPX9K
- Operating temperature range -20°C / +70°C

Aftermarket package:

Gauge, Rubber Seal, Spinlock, Drilling Template, Installation Instructions, Safety Instructions

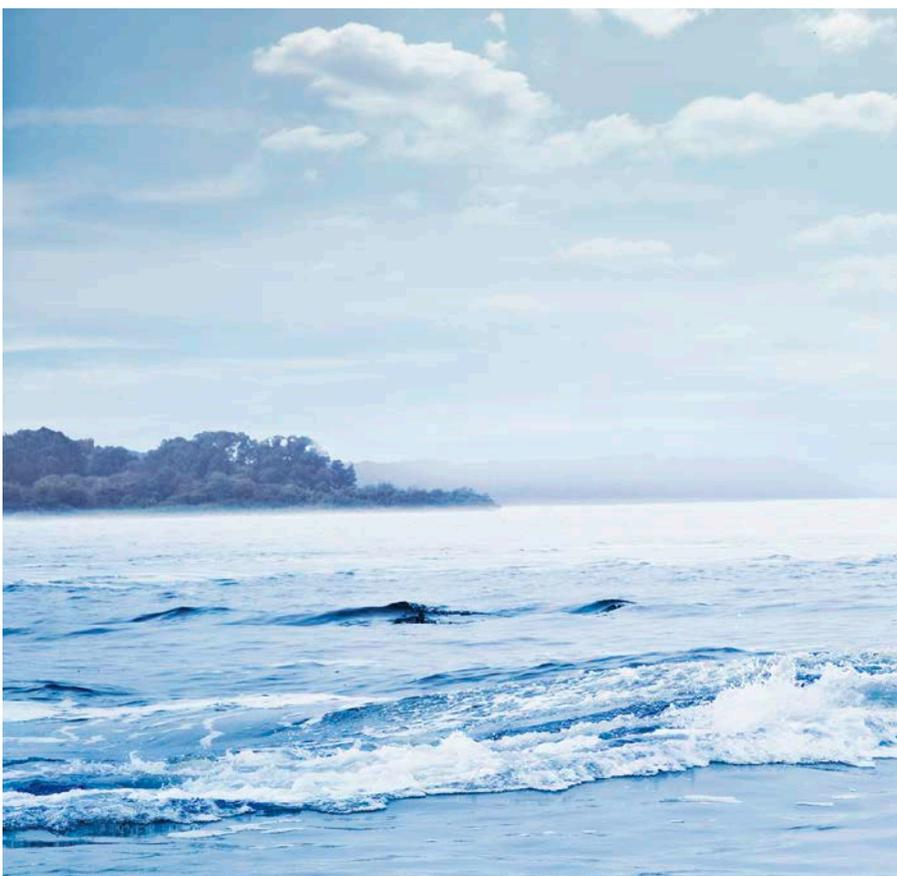


52 mm fresh water level
Empty – Full

Range	Voltage	Color	Article number
Fuel Level			
Empty – Full	12–24 V	Black White	A2C59501930 A2C1338650001
Fresh Water			
Empty – Full	12–24 V	Black White	A2C59501929 A2C1338640001
Waste Water			
Empty – Full	12–24 V	Black White	A2C59501928 A2C1338760001



52 mm waste water level
Empty – Full



Battery Status

- AMP Superseal Easylink connector
- < 100 mA
- 270° pointer deflection angle
- Reverse polarity protection
- Anti-fog mineral glass lens
- Front & rear protection rating IPX6, IPX9K
- Operating temperature range -20°C / +70°C



52 mm ammeter 60 A

Aftermarket package:

Gauge, Rubber Seal, Spinlock, Drilling Template, Installation Instructions, Safety Instructions

Range	Voltage	Color	Article number
Current			
-60 / +60 A	12–24 V	Black White	A2C59501942 A2C1338540001
-150 / +150 A	12–24 V	Black White	A2C59501943 A2C1338550001
Voltage			
8–16 V	12–24 V	Black White	A2C59501940 A2C1338740001
16–32 V	12–24 V	Black White	A2C59501941 A2C1338750001



52 mm voltmeter 16–32 V



Vessel Status



52 mm rudder angle

- AMP Superseal Easylink connector
- < 100 mA
- 270° pointer deflection angle
- Reverse polarity protection
- Anti-fog mineral glass lens
- Front & rear protection rating IPX6, IPX9K
- Operating temperature range -20°C / +70°C

Aftermarket package:

Gauge, Rubber Seal, Spinlock, Drilling Template, Installation Instructions, Safety Instructions



52 mm trim

Range	Voltage	Color	Article number
Rudder Angle			
90°	12–24 V	Black White	A2C59501939 A2C1338680001
Engine Trim			
Up / Down	12–24 V	Black White	A2C59501925 A2C1338710001



NavBox

The AcquaLink® NavBox is the heart of the AcquaLink® VDO Bus system. It acts as a CPU and signal interface. The NavBox provides a wide range of digital and analog input possibilities. It supports up to four electronic engines (J1939 or NMEA 2000®) or one analogue engine. It also features two VDO Sumlog® paddle wheel sensor and one analogue VDO Wind-sensor connections, so legacy VDO products can be used and brought to the digital age.



With a dedicated analogue input port it can support the following analogue signal from VDO sensor or from 3rd parties company:

- Engine oil pressure
- Engine oil temperature
- Engine coolant temperature
- Transmission oil pressure
- Fresh water/waste water and fuel level
- Ammeter status
- Rudder angle
- Engine frequency



NavBox

It also features a NMEA 0183 input and output port as well as a buzzer output. All received data are converted and sent to the NMEA 2000® network and to the VDO Bus. This gateway function allows displaying engine, liquid level, pressure, temperature other vital information on any compatible display on the NMEA 2000® network or on designed VDO AcquaLink® gauges or TFT displays.

The configuration of the NavBox can be done by using an AcquaLink® TFT and NavControl or by using the intuitive VDO App (available in 2017).

- NMEA 2000® certified
- LED signal status indication
- Aluminum base plate
- Front & rear side protection rating IPX4
- 3x VDO bus lines
- 1x J1939 CAN bus
- 1x NMEA 2000® bus
- 1x VDO Analogue Wind Sensor Input
- 2x VDO Sumlog® Inputs
- AMP Super Seal power input
- 26 pin AUX input (analog signals, NMEA 0183)
- Operating temperature range -20 °C / +70 °C

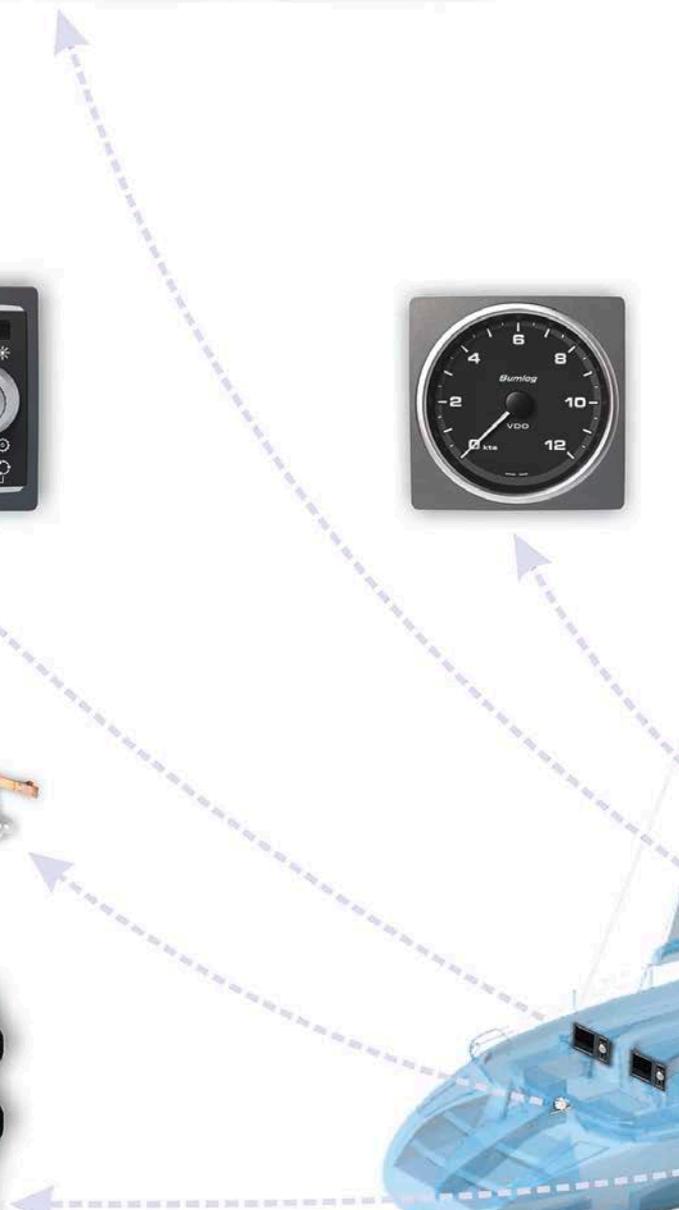
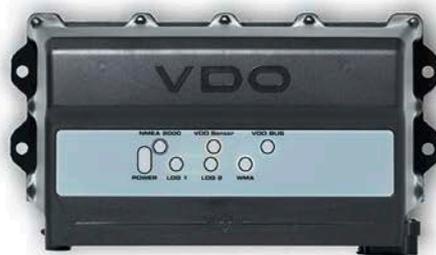
Aftermarket package:

NavBox, Power cable & fuse, 26 pin auxillary harness with USB interface termination resistors (3pc.), Screws, Safety Instructions, Installation and Operation Manual, Drilling Templates

Voltage	Article number
12-24 V	A2C59501979



Installation Example





OceanLink – Precision CAN instrumentation for leisure boats.

The OceanLink series focuses on the needs of the modern sports and leisure boats market. It provides a modular instrumentation concept for electronic navigation and engine monitoring with NMEA 2000®, J1939 and analogue connectivity. The new product line offers a wide range of functions as well as great flexibility in installation and design.

The OceanLink series provides two different master instruments as centerpieces of the system: a 4.3" TFT and a round master instrument. Both instruments are information powerhouses, multifunctional tachometers and NMEA 2000® gateways with direct access to the engine CAN Bus. They display

all 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 instrument. All instruments come in a new and stylish design, with perfect to read modern dials.





The benefits of using OceanLink:

- 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 and flush mounting 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 (IPX5 front and rear).
- High quality precision instruments manufactured in Switzerland.

Further advanced features:

- Master instruments with NMEA 2000® gateway functionality passing on data, e. g. engine data, to NMEA compatible devices.
- GPS speedometer, 85 mm, features NMEA 2000® port functionality to pass on position and speed data to the NMEA 2000® network.



OceanLink TFT Display

TFT Display

The new OceanLink 4.3" multifunction TFT display features a full 24 bit/ 16 mio. colors optically bonded display with transmissive layer technology for perfect readability even in direct sunlight. The TFT displays and distributes a wide array of data received from NMEA 2000® and J1939 CAN Bus systems and analogue sensors directly connected to the display. Users can customize up to 40 different data pages with single, double, treble or quad grid layouts.

The OceanLink 4.3" TFT sends the received data to up to 20 satellite 52 mm OceanLink gauges. It also converts and sends J1939 and analogue data to the NMEA 2000® network and can be used as CAN Bus gateway.



4.3" TFT display

- 1x NMEA 2000® connector
- 1x J1939 and 4x analogue input
- 1x Frequency input
- Operating temperature range -20 °C / +70 °C
- Optical bonded mineral glass lens
- Front & rear side protection rating IPX9

Aftermarket package:

TFT Display, Bezel, Silicone Cover, Mounting Screws, Connection cable, Installation Instructions, Safety Instructions

Voltage	Color	Resolution	Article number
4.3"			
12-24 V	Black	480 x 272 (WQVGA)	A2C1352150001



OceanLink 85 mm – Master Gauges

OceanLink Gauges have white and black dial version, which is always completed with bezel in identical color.

Optional Chrome Bezel is available as decorative accessory.

Tachometer



85 mm tachometer 3000 rpm

The new OceanLink Tachometer automatically presents all the key data – up to 256 standard measurement values ranging from oil pressure and fuel consumption to operating hours – on a generously proportioned inverted dot matrix digital display. Besides a CAN interface with NMEA 2000® certified and SAE J1939 data protocol it features two inputs for analogue sensors. The innovative EasyLink data connection make the installation easy and cost effective. Satellite instruments for further dynamic measurement values receive updates from the central instrument every 20 ms.

OceanLink is available in various designs and a number of bezel colour options. The instruments can also be conveniently integrated into customer-specific panel solutions.

The VDO Tachometer displays all important engine related data and distribute it to up to sixteen 52 mm satellite gauges.



85 mm tachometer 5000 rpm

- 1x NMEA 2000® input
- 1x J1939 and analogue input
- Reverse polarity protection
- Anti-fog double layer plastic lens
- Protection rating IPX5
- Operating temperature range -20 °C / +70 °C

Aftermarket package:

Gauge, Bezel, Rubber Seal, Spinlock, Connection cable, Installation Instructions, Safety Instructions



Range	Voltage	Color	Article number
Ø 85 mm			
3000 rpm	12–24 V	Black	A2C1065660001
		White	A2C1065670001
5000 rpm	12–24 V	Black	A2C1065720001
		White	A2C1065800001
7000 rpm	12–24 V	Black	A2C1065810001
		White	A2C1065820001

GPS Speedometer

The new OceanLink GPS Speedometer features an embedded GPS antenna, an inverted dot matrix LCD and NMEA 2000® connectivity. The LCD displays information like position, date and time and – if connected to a NMEA 2000® network – sea water temperature, depth and speed through water information. The IP65 waterproof design allows the installation on open or enclosed boats. Up to 20 satellite gauges of 52 mm each, can be connected thanks to the integrated EasyLink connectivity.

- 1x connector NMEA 2000®
- Reverse polarity protection
- Anti-fog double layer plastic lens
- Front & rear side protection rating IPX5
- Operating temperature range -20 °C / +70 °C

Aftermarket package:

Gauge, Bezel, Rubber Seal, Spinlock, Connection cable, Installation Instructions, Safety Instructions

Range	Voltage	Color	Article number
Ø 85 mm			
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



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



85 mm GPS speedometer
0 – 14 knots / kmh / mph



OceanLink 52 mm Gauges

OceanLink 52 mm Gauges are connected directly to any OceanLink Master unit using the patented EasyLink serial bus connection. Up to 16 EasyLink gauges for each Tachometer can be daisy-chained

together. OceanLink Gauges have white and black dial version, which is always completed with bezel in identical color. Optional Chrome Bezel is available as decorative accessory.

Temperature Gauges



52 mm Coolant Temperature
120 °C / 250 °F

- AMP Superseal Easylink
- < 100 mA
- 270° pointer deflection angle
- Reverse polarity protection
- Anti-fog double layer plastic lens
- Front & rear protection rating IPX5
- Operating temperature range -20 °C / +70 °C

Aftermarket package:

Gauge, Bezel, Rubber Seal, Spinlock, Installation Instructions, Safety Instructions

Range outer/inner	Voltage	Color	Article number
Coolant Temperature			
120 °C / 250 °F	12–24 V	Black White	A2C1065950001 A2C1065970001
Cold / Hot (250 °F)	12–24 V	Black White	A2C1065980001 A2C1065990001
Engine Oil Temperature			
150 °C / 300 °F	12–24 V	Black White	A2C1065850001 A2C1065860001
Cold / Hot (300 °F)	12–24 V	Black White	A2C1065870001 A2C1065880001
Pyrometer			
900 °C / 1650 °F	12–24 V	Black White	A2C1349690001 A2C1349710001
1650 °F / 900 °C	12–24 V	Black White	A2C1349700001 A2C1349730001



Pressure Gauges

- AMP Superseal Easylink
- < 100 mA
- 270° pointer deflection angle
- Reverse polarity protection
- Anti-fog double layer plastic lens
- Front & rear protection rating IPX5
- Operating temperature range -20 °C / +70 °C

Aftermarket package:

Gauge, Bezel, Rubber Seal, Spinlock, Installation Instructions, Safety Instructions



52 mm transmission oil pressure
30 / 440 psi



52 mm engine oil pressure Low / High

Range outer/inner	Voltage	Color	Article number
Boost Pressure			
2 bar / 30 psi	12–24 V	Black White	A2C1066140001 A2C1066150001
Low / High (30 psi)	12–24 V	Black White	A2C1066160001 A2C1066170001
Engine Oil Pressure			
10 bar / 150 psi	12–24 V	Black White	A2C1066000001 A2C1066010001
Low / High (150 psi)	12–24 V	Black White	A2C1066020001 A2C1066030001
Transmission Oil Pressure			
30 bar / 440 psi	12–24 V	Black White	A2C1066040001 A2C1066050001
Low / High (440 psi)	12–24 V	Black White	A2C1066060001 A2C1066070001



52 mm fuel level Empty – Full

- AMP Superseal Easylink
- < 100 mA
- 270° pointer deflection angle
- Reverse polarity protection
- Anti-fog double layer plastic lens
- Front & rear protection rating IPX5
- Operating temperature range -20°C / +70°C

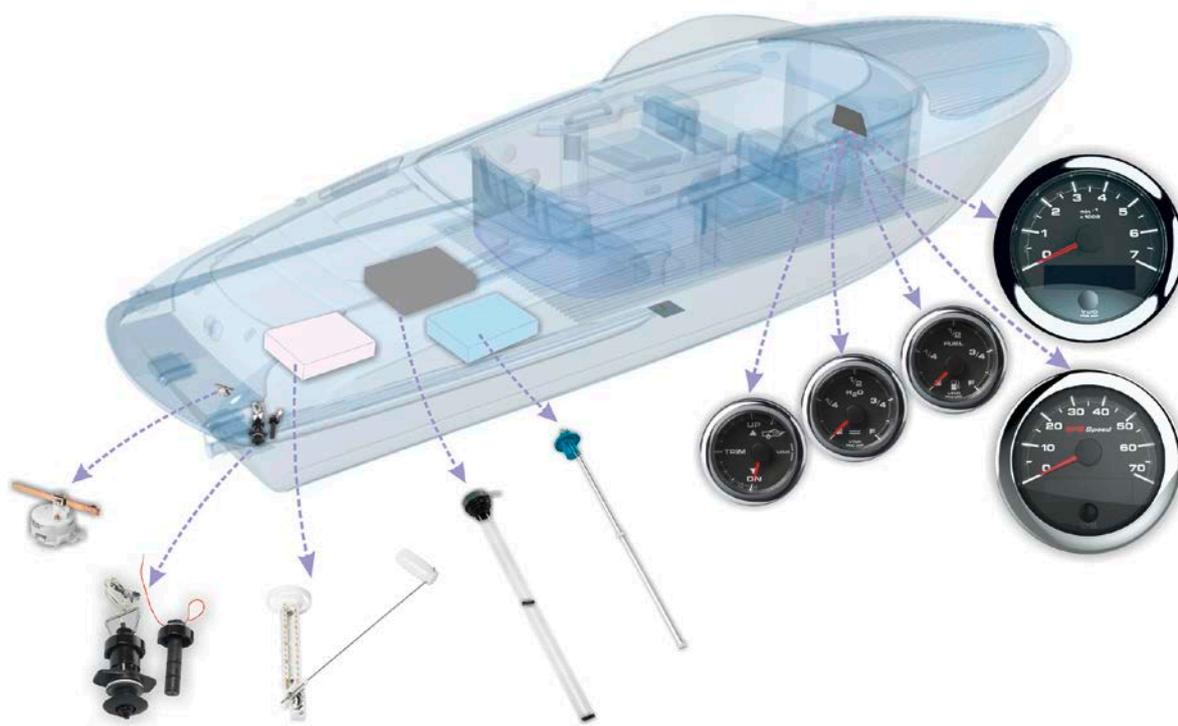
Aftermarket package:

Gauge, Bezel, Rubber Seal, Spinlock, Installation Instructions, Safety Instructions



52 mm fresh water level Empty – Full

Range	Voltage	Color	Article number
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



Battery Status

- AMP Superseal Easylink
- < 100 mA
- 270° pointer deflection angle
- Reverse polarity protection
- Anti-fog double layer plastic lens
- Front & rear protection rating IPX5
- Operating temperature range -20°C / +70°C



52 mm voltmeter, 16–32 V

Aftermarket package:

Gauge, Bezel, Rubber Seal, Spinlock, Installation Instructions, Safety Instructions

Range	Voltage	Color	Article number
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

- AMP Superseal Easylink
- < 100 mA
- 270° pointer deflection angle
- Reverse polarity protection
- Anti-fog double layer plastic lens
- Front & rear protection rating IPX5
- Operating temperature range -20°C / +70°C



52 mm rudder angle

Aftermarket package:

Gauge, Bezel, Rubber Seal, Spinlock, Installation Instructions, Safety Instructions

Range	Voltage	Color	Article number
Rudder Angle			
90°	12–24 V	Black White	A2C1066080001 A2C1066090001
Engine Trim			
Up / Down	12–24 V	Black White	A2C1065830001 A2C1065840001



52 mm trim



NMEA 2000® Products

VDO now offers a wide range of NMEA 2000® certified products that can be seamlessly connected to any NMEA 2000® system. Besides the already available

MediaBox and Nav Sensor, VDO now offers a capacitive fresh and waste water sensor.

MediaBox

The VDO MediaBox features a waterproof, compact and black box design that can be mounted literally everywhere on the boat. Listen to Radio and weather forecasts with it's built in AM/FM Tuner or connect a MP3 player or smartphone via USB or Bluetooth to enjoy your favorite music. The MediaBox is NMEA 2000® certified and can be used with any compatible NMEA 2000® head unit or with the VDO AcquaLink® or OceanLink TFT Displays. Additionally VDO offers a free Remote App so the MediaBox can be used as a stand alone radio.

- AM/FM radio tuner with RDS – Backup memory
- Bluetooth audio player
- USB memory device MP3 player or smartphone
- Three band equalizer with volume control
- Power amplifier 4x 28 W (D class)
- NMEA 2000® certified
- IPX5 protection rating
- Operating temperature range -20 °C / +70 °C



MediaBox

Aftermarket package:

MediaBox, Cable Harness, Mounting Screws, Installation Instructions, Safety Instructions

Voltage	Article number
8 – 16 V	A2C59501980





Nav Sensor



Nav Sensor

The multifunctional AcquaLink® Nav Sensor is the gem of all sensors. The inertial sensor complements the inbuilt satellite receiver module to provide accurate readings of the speed of travel as well as the pitch & roll (up and down) and YAW (sideways) motion of the boat. Compass readings can be displayed electronically thanks to the embedded compass, which also facilitate course corrections in electronic autopilots. The barometer and air temperature sensors are early indicators of forthcoming weather conditions.

- Standard MicroC connector for NMEA 200
- NMEA 2000® certified
- IP65 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: Air pressure, air temperature inside the sensor
- Air temperature: -20 °C / +65 °C
- Inertial sensor: Resolution 1 °/s
- YAW-range 100 °/s, linearity +/-3 °/s
- Acceleration-range 50 m/s², linearity +/-1 m/s²
- Calculated heeling, pitch & roll-range +/-50°
- Operating temperature range -20 °C / +70 °C

Aftermarket packaging:

Nav Sensor, 2x brackets, Installation Instructions, Safety Instructions

Voltage	Article number
12-24 V	A2C59501981



NMEA 2000® Wind Sensor

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

Voltage	Article number
9–16 V	A2C59501984



NMEA 2000® Wind Sensor



NMEA 2000® Fresh Water Capacitive Sensors

Fresh water level sensor (capacitive)
Sensor type: Adjustable dip

Voltage	Length	Article number
8–16 V	80–600 mm	A2C1364680001
8–16 V	600–1200 mm	A2C1364690001



NMEA 2000® Fresh Water Capacitive Sensors



NMEA 2000® Waste Water Capacitive Sensors

Waste water level sensor (capacitive)
Sensor type: Adjustable lever

Voltage	Length	Article number
8–16 V	200–600 mm	A2C1364660001
8–16 V	600–1200 mm	A2C1364670001



NMEA 2000® Waste Water Capacitive Sensors



Analogue Sensors

Sumlog® Transducer Kit



Sumlog® Transducer Kit

The Sumlog® Transducer is required to measure boat speed through water. The Sumlog® includes two paddle wheels which can be exchanged to match the speed range of the boat, thereby supporting speeds from 0 to 18 or up to 50 knots respective of the installed paddle wheels. The NavBox supports up to two Sumlogs® which can be directly connected to the dedicated Sumlog® ports using a 4 pin M12 connector extension cable.

- 4 pin M12 connector

Aftermarket package:

18 knots Sumlog® Transducer, additional 50 knots Paddle Wheels, Valve, Plug, 2x Rubber Seal, Installation Instructions, Safety Instructions

Voltage	Article number
12–24 V	A2C59501986

Analogue Wind Sensor



Analogue Wind Sensor

The legacy wind vane turns in the direction of the wind and steers the wind direction gauge. The wind cups records the relative wind speed which in turn is displayed on the wind speed gauge. Also compatible with VDO “Standard”, “Logic” series.

Voltage	Article number
12–24 V	A2C59501983

Rudder Angle Sensors

Single station		
Voltage	Resistance ohm	Article number
12/24 V	10–180 Ω	A2C1102950001

Dual station (fly bridge)		
Voltage	Resistance ohm	Article number
12/24 V	5–90 Ω	A2C1102960001



Rudder Angle Sensor

Fuel Level Sensors

Item specifics	Signal Range empty/full	Length	Article number	
Fuel level sensor Sensor type: Adjustable lever	3–180 Ω	150–600 mm	226-801-015-001G	
Bulk adjustable lever arm sensor	3–180 Ω	150–600 mm	226-801-015-001C	
Fuel level sensor Sensor type: Adjustable lever for dual units (flying bridge)	3–180 Ω	150–600 mm	N02-240-106	
Fuel level sensor Sensor type: Adjustable lever	240–33.5 Ω	150–600 mm	A2C1364580001	

Fresh Water Capacitive Sensors

Fresh water level sensor (capacitive) with adjustable dip



Fresh Water Capacitive Sensor

Voltage	Signal Range	Length	Article number
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

Fresh Water Resistive Sensors

Fresh water level sensor (resistive) with adjustable lever



Fresh Water Resistive Sensor

Voltage	Signal Range	Length	Article number
12 / 24 V	3–180 Ω	200–600 mm	226-828-001-001K

Waste Water Capacitive Sensors

Waste water level sensor (capacitive) with adjustable dip



Waste Water Capacitive Sensor

Voltage	Signal Range	Length	Article number
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

Ammeter Shunt

Range	Voltage	Input	Article number
-60 / +60 A	12 / 24 V	60 mV	A2C59514043
-150 / +150 A	12 / 24 V	60 mV	A2C59514047



Ammeter Shunt

Electronic Pressure Sensors

The active pressure sensors with voltage output are used to measure pressure of gaseous and liquid media in a variety of applications at various locations.

The pressure sensor unit is based on a stainless steel sensing element and converts fluctuations of measuring medium into a pressureproportional electrical output signal (0.5–4.5 V).

Range	Voltage	Thread	Article number
10 bar	12–24 V	M12 x 1.5	365-100-010-121C
16 bar	12–24 V	M12 x 1.5	365-100-016-121C
30 bar	12–24 V	M12 x 1.5	365-100-030-121C



Electronic pressure sensor with voltage output

Note:

Tightening Torque depends on threaded port size and sensor body material.

Connector type: Bayonet according to ISO15170 (formerly DIN 72585).

Accessories

AcquaLink® Gauges Accessories

Image	Item specifics	Article number
	Bezel 52 mm single, black	A2C59501965
	Bezel 52 mm single, white	A2C3979480001
	Bezel 52 mm double, black	A2C59501966
	Bezel 52 mm double, white	A2C3979510001
	Bezel 110 mm, black	A2C59501963
	Bezel 110 mm, white	A2C3979530001
	Bezel TFT 4.3", black	A2C59501967
	Bezel TFT 4.3", white	A2C3983920001
	Bezel TFT 7", black	A2C59501968
	Bezel TFT 7", white	A2C3995200001
	Bezel NavControl, black	A2C1156050001
	Bezel NavControl, white	A2C3997600001
	Spinlock nut, 52 mm	A2C5205947101
	Spinlock nut, 110 mm	A2C5323888101
	Silicone instrument cover 52 mm double	A2C59501971
	Silicone cover for 4.3" TFT Display and 110 mm gauge	A2C59501972
	Silicone cover for 7" TFT Display	A2C59501973
	Silicone cover for NavControl	A2C59501974

OceanLink Gauges Accessories

Item specifics	Article number	Image
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	
Bezel TFT 4.3", white	A2C1152980001	
Bezel TFT 4.3", black	A2C1083230001	

Sensors Accessories

Item specifics	Article number	Image
Mast Cable (Analogue Wind Sensor)	10 m A2C99792900	
Mast Cable (Analogue Wind Sensor)	30 m A2C99793400	
Connection Cable (Sumlog® to NavBox)	10 m A2C39488200	



CAN Bus Accessories

Image	Item specifics		Article number
	VDO Bus to NMEA 2000® Adapter	0.3 m	A2C96244900
	VDO Bus Cable	0.3 m	A2C96244600
		2 m	A2C38805700
		5 m	A2C96245000
		10 m	A2C96245100
	VDO Bus Gender Changer		A2C38805500
	VDO Bus Termination Resistor		A2C99793900
	NMEA 2000® Power Cable		A2C39312900
	NMEA 2000® T Splitter		A2C39312700
	NMEA 2000® Cable	0.5 m	A2C96243700
		2 m	A2C96243800
		6 m	A2C96244000
		10 m	A2C96244200
		30 m	A2C59501950
	NMEA 2000® Terminator Female		A2C39310600
	NMEA 2000® Terminator Male		A2C39311000
	NMEA 2000® Inline Terminator		A2C39312500
	NMEA 2000® Infield Installation Connector Female		A2C39308500
	NMEA 2000® Infield Installation Connector Male		A2C39310500
	Infield Installation Connector VDO Bus / Wind Sensor Cable		A2C38804900
	J1939 Termination Resistor, Inline J1939		A2C99794200





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