

# AUTONNIC

The way to enjoy life afloat

## The Way To Enjoy Life Afloat



- Marine electronics to demystify life on the water
- For everyone above and below deck, on a mooring, or out at sea
- Hand crafted in the UK
- Designed by boat owners for boat owners' pleasure
- Great value



Our flexible approach using industry standards across the range means you can mix and match our products with those you already have onboard.

Everything we do is to help you spend more time enjoying your cruising life!

# The Autonnic Product Range

## Sensors



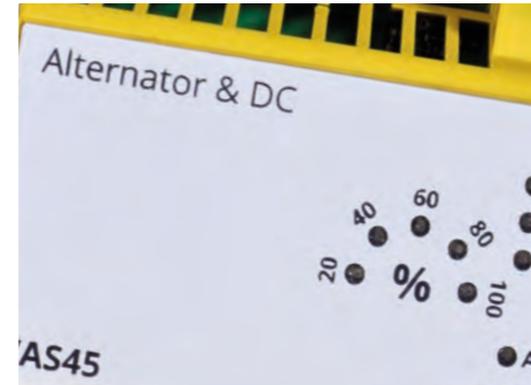
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## Indicators



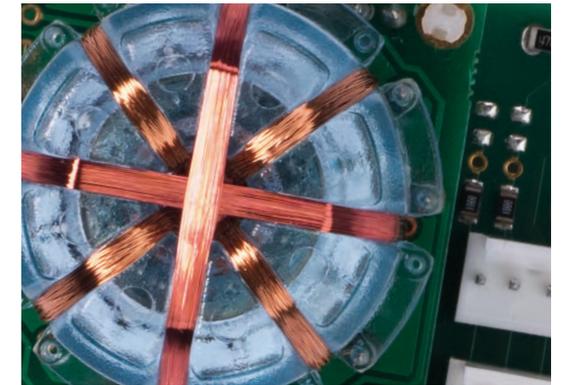
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## Battery Management



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# Sensors

- Replacement sensors for existing wind and compass sensors which have failed.
- Don't need to replace full system saving time, expense and complexity.
- Don't need to go back to expensive manufacturer.
- Allows boat owners to add magnetic compass to modern systems.
  - Not available from major manufacturers.
- A second source of vital navigation information.
- Works with NMEA0183 / 2000 and most major manufacturers' plotters and autopilots
  - Don't need to replace full system saving time, expense and complexity.
- Can install product yourself
  - Saving expense and giving you the knowledge of how it works.
- Robust design and manufacturing to ensure maximum life span



# Electronic Heading Sensors

All our Heading Sensors are made with our own OEM Fluxgate Components

## A5024 NMEA183 Compass

## A5041 NMEA183 Gyro Compass

## A5050 NMEA2000 Compass

## A5060 NMEA2000 Gyro Compass

## A5035 Simrad Legacy Compass

## A4032 Compass Pick Up

- ⦿ Either NMEA0183 or 2000 output format
- ⦿ Water resistant to IP68
- ⦿ Auto Calibration by button-press
- ⦿ Set-Zero by button-press
- ⦿ 0183 versions are user-configurable for compatibility
- ⦿ Pitch and Roll corrected to  $\pm 45^\circ$

Older Simrad® Autopilots can be kept going with this functional alternative to the RFC35.

Simrad is a TM of Navico

- ⦿ Add an Autonnix Indicator (A5501) to make a complete TMC.
- ⦿ The A4032 gives a NMEA 0183 heading directly from the Ships' Compass.
- ⦿ Manually calibrated to the Master Compass.
- ⦿ Centre-hole fixing.

# Wind Sensors

- Wind direction and speed data
- NMEA0183 & NMEA2000 versions available
- 3 arm lengths available
- Direct replacement for existing wind sensor
- Unique Autonnic styling
- DIY installation

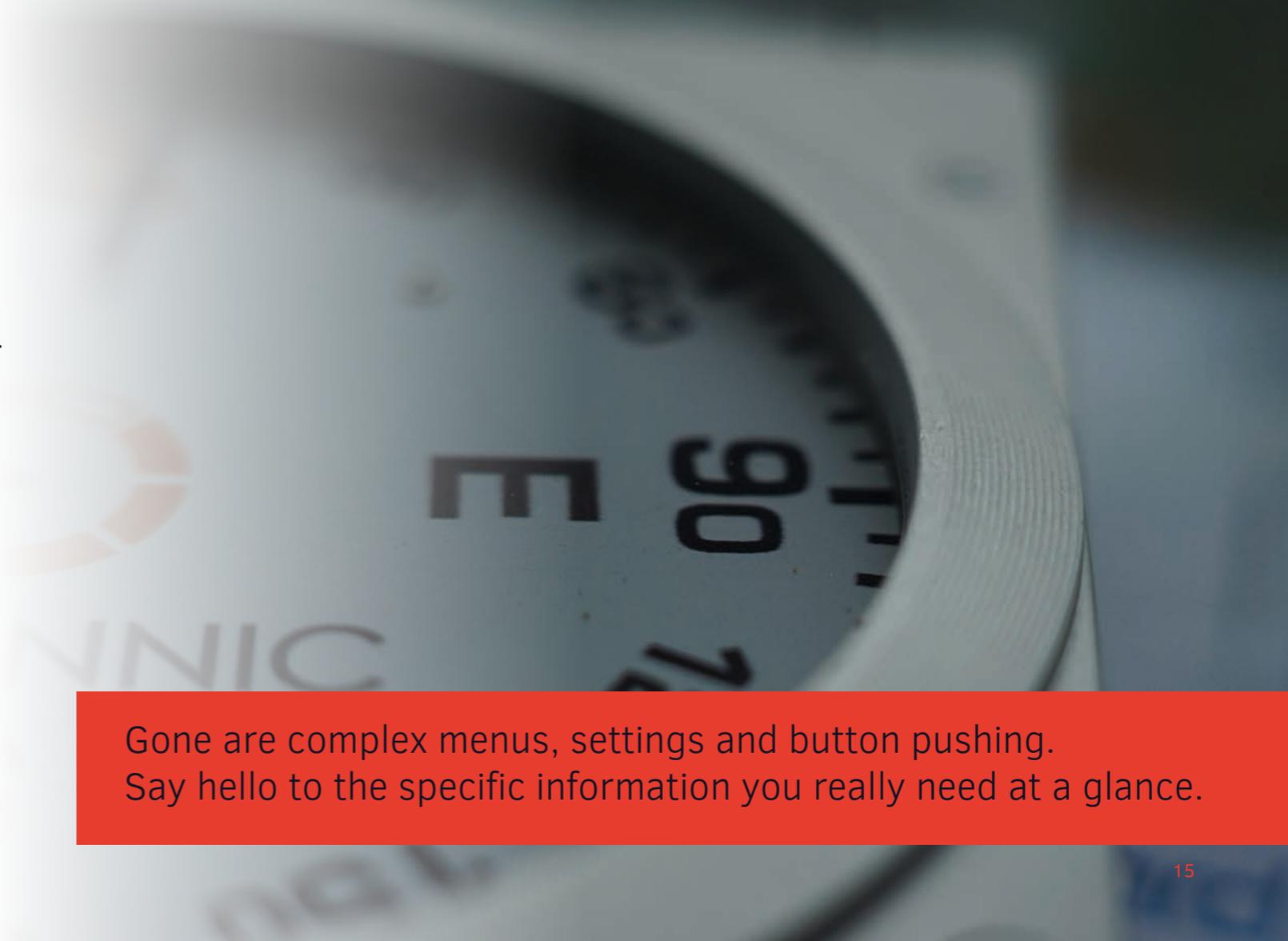
Plus A5905

**0183 to 2000 Wind Data Converter** - Allows a NMEA0183 wind head sensor to be connected to a NMEA2000 system without requiring new mast wiring. Provides power to the Masthead Sensor.



# Indicators

- Functional for use at the helm, styled to fit in and enhance your world below deck.
  - Designed to look good in your cabin or saloon, but also perfect outside.
- At a glance information wherever you are.
  - Peace of mind that all is well above deck.
- Single function – Quick and easy to read / operate.
- Easy to DIY install.
  - Saving expense and giving you the knowledge of how it works.
- Works with major manufacturers' systems – Upgrade what is already there.
- Can be used as standalone system using the right Autonnac sensor.
  - A simple back up system which isn't linked to the complex main system.
- Ideal for boaters who only require key data.
  - Don't need expensive over complicated systems.



Gone are complex menus, settings and button pushing.  
Say hello to the specific information you really need at a glance.



## Moving Card Compass Indicator

- Shows heading on a moving compass card
- Clear 'at a glance' analogue display
- Intuitive, single function simplicity
- Backlit for clear night use
- Surface mount installation to avoid need to cut holes
- Functional for use at the helm but styled to fit in and enhance your world below deck

## Wind Direction Indicator

- Shows wind direction
- Clear 'at a glance' analogue display
- Intuitive, single function simplicity
- Backlit for clear night use
- Surface mount installation to avoid need to cut holes
- Easy to DIY install saving time and money, as well as helping you understand where cables run

## Wind Speed Indicator

- Shows wind speed
- Clear 'at a glance' analogue display
- Non-linear scale to help maximise sailing performance
- Intuitive, single function simplicity
- Backlit for clear night use
- Attractive watch like styling to ensure it enhances the fabric of your yacht and becomes the envy of fellow sailors

## Water Speed Indicator

- Shows water speed
- Clear 'at a glance' analogue display
- Intuitive, single function simplicity
- Backlit for clear night use
- Surface mount installation to avoid need to cut holes
- Can be used as a stand alone system with the right Autonnic Sensor for boaters who only need specific data types

# Starlight



- Heading guidance system to make helming easy
- Highlights deviation from set course
- Single button activation - little training required
- An excellent training aid - novice and disabled sailors
- Easy installation on cabin top
- Waterproof sealing to IP68
- LED brightness range - dark night to full daylight



Hold a steady course and a keen look out, even when water is dripping off your nose and the soaked compass is obscured.

“I truly believe Starlight will help newcomers on-board steer a yacht in the most enjoyable way, instead of being glued to the compass, worried about the heading.

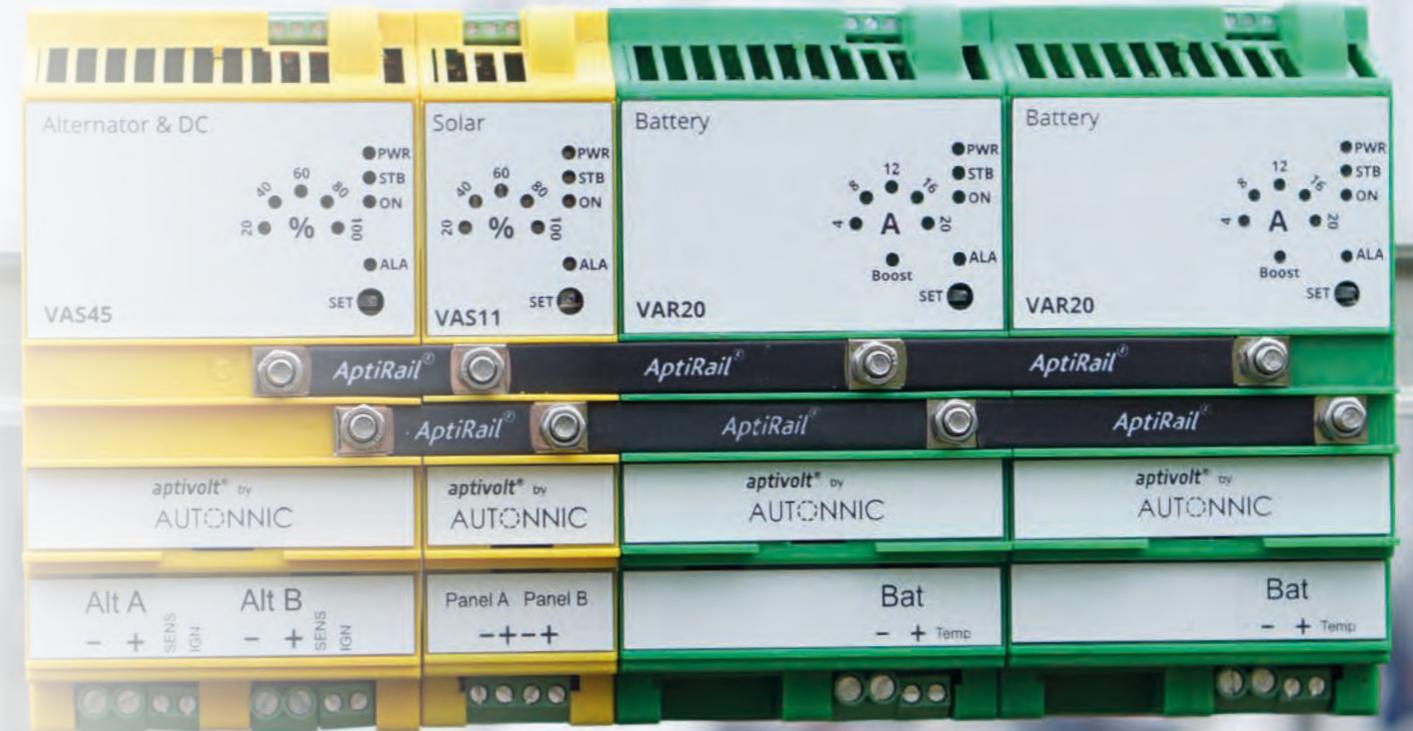
**From the time I saw your ad, I became a strong believer that you had come up with a very unique way to enjoy sailing in the true sense. Yes, don't turn on the Autopilot! Feel the wind, waves, and the satisfaction of working with nature.”**

**George J - Guam**



# Aptivolt®

- Takes the pain away from managing batteries aboard.
  - Power when you need it and avoid the frustration of flat batteries.
- Avoid damage to batteries.
- Boat is ready to go at any point.
- Improve efficiency of solar and alternator output.
- Peace of mind that things will work.
  - You will sleep better.
- If your batteries were to fail, you can rest easy knowing you couldn't have done better.
- Manages multiple sources of power input and output.
- Organise power distribution so the important functions onboard always work.



For details of operation and installation - See separate brochure



## VAR20 Battery Management Module

- Connects to AptiVolt® Power Module by AptiRail®
- AptiLoop® enabled for data monitoring
- Delivers up to to 20A of charging current
- 3 levels of charge Priority Setting
- 4 different Battery Chemistries
- Visual display of battery charge current
- LED status monitoring
- Very low standby battery drain
- Battery Temperature Monitoring
- Reverse protection



## VAS45 Alternator Module

- Connects to AptiVolt® Power Module by AptiRail®
- Boosts alternator output with no alternator modification - just connect
- Accepts up to 20A input total
- 2 input channels
- Alternator-disconnect surge protection
- AptiLoop® enabled for full monitoring
- 3 levels of charge Priority Setting
- Visual display of total source current
- LED status monitoring
- 'Battery Connected' input to alternator

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## VAS11 Solar Module

- Connects to AptiVolt® Power Module by AptiRail®
- Accepts up to 20A total Solar Current
- 2 input channels
- MPPT for up to 65% more charge than direct connection
- AptiLoop® enabled for full monitoring
- Will deliver up to 330W of Solar Power
- Visual display of total source current
- LED status monitoring



## VXC14 Aptiloop® Comms Module

- Converts AptiLoop® current signals to USB
- Powered by USB
- Can connect to one single module
- Can loop several modules to make a Cluster
- Uses standard FTDI application software

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# OEM

## Components & Subsystems

Autonnic's sensor components are the key element in most of the world's marine auto-pilots and outside the marine industry are found in a huge range of devices from metal detectors to robotic lawnmowers.

With over 35 years experience manufacturing Fluxgate Magnetometers, Autonnic have refined their components with custom materials and unique manufacturing techniques to ensure that they provide highly accurate output for use in a wide variety of sensors.

Individual fluxgate components are also combined in house with circuit boards, micro-processors and accompanying software to achieve a variety of OEM manufacturer's goals in a wide range of industries.



# The Company

Since our founding in 1963 Autonnic has evolved to become a boutique specialist marine electronics firm, based in Essex, UK.

In the 60's and 70's manufacturing radio tuners was our thing, but a desire to push boundaries and solve problems lead to diversification into the world of precision radiation detection systems.

Research and development has always been key to our success and in the 80's a new focus on the yacht market place helped us rapidly become the hidden power deep inside yacht autopilot systems across the globe. Fluxgate magnetometry is a complex field and one we are proud to be a world leader in!

Product and manufacturing innovation is at our core. Our achievements include development of an advanced alloy and smelting process to obtain increasingly precise readings from our fluxgates and compasses, the introduction of extremely 'durable' wind anemometers and most recently the 'must have' Aptivolt® range and our 'enhancing' range of Indicators.



[info@autonnic.com](mailto:info@autonnic.com)

+44 162-186 9460

Autonnic Research Ltd  
Woodrolfe Road Tollesbury,  
Essex, CM9 8SE, UK

[www.autonnic.com](http://www.autonnic.com)