

Autonnic is here at METS 2009 as the leading supplier of fluxgate component sensors for compass, autopilot and robotic navigation manufacturers around the world. We are constantly developing our fluxgate technology for 1-axis, 2-axis and our unique 3-axis magnetic sensors to apply to a wide range of marine measurements. **New** introductions to this year's show are an expanded range of compass modules A4041, A4047 and A407X and the non-contact A3300 Lever Control module.

Fluxgate Components AR35 A1015, **NEW** A1501

Our floating core fluxgate magnetometer is at the heart of products on many stands at METS as a gimballed compass sensor. We also make fixed versions. New to this year's show is an example of the A1501 a small fluxgate component in development.



Magnetic DC Sense A3201

Highly sensitive, zero insertion loss, current monitor for marine battery management. Benefits - total electrical isolation, absence of heat dissipation in circuit, high precision to 50A, wide range up to 200A, stability and absence of drift.



Compass A4020, A4200, **NEW** A4041, A4061 A4047, A407X and A408X.

Our range of compass modules is expanded by compact, low-noise electronics to cover the OEM requirement to migrate from analogue outputs through to full NMEA. The range is from the A4061 compact ultra-low cost fixed to the A408X floating. The A4020 remains popular and is now available with the A4200 air motor drive.



NMEA Compass A5020

The A5020 is a complete environmentally protected NMEA-0183 compass subsystem. Ideal for steering, autopilot and radar stabilisation.



Inclinometer Compass A4025

The combined inclinometer and compass offers analogue or digital output of heading as well as pitch and roll up to $\pm 45^\circ$ with a resolution of 0.1° . Applications include trim-tab control, roll stabilisation and satellite acquisition.



Wind Speed and Direction A5012, A5013

A complete masthead wind speed and direction NMEA-0183 subsystem using fixed-core magnetometry for direction sensing.



Wind Vector Module A4036

An development of the inclinometer, the wind vector sub-system resolves to 1/1000 of a degree of movement. With a stiff spring to avoid resonance and a completed program of fatigue testing the module measures wind speed and direction without bearings and can withstand high salt and dust contamination.



Encoder A3030

A non-contact shaft encoder which is precise to 12 bits and yet very robust. The magnetic operation means that it is entirely sealed and can be submersed in wet or oily environments to 20 bar. Ideal for measuring mast angle, rudder angle, tank level and engine controls. Includes many programmable functions.



Compass Pickup A4030

This special version of the A3030 can be attached to a ships magnetic compass to create a NMEA-0183 output by detecting the angle of the compass magnet.

Lever Control **NEW** A3300

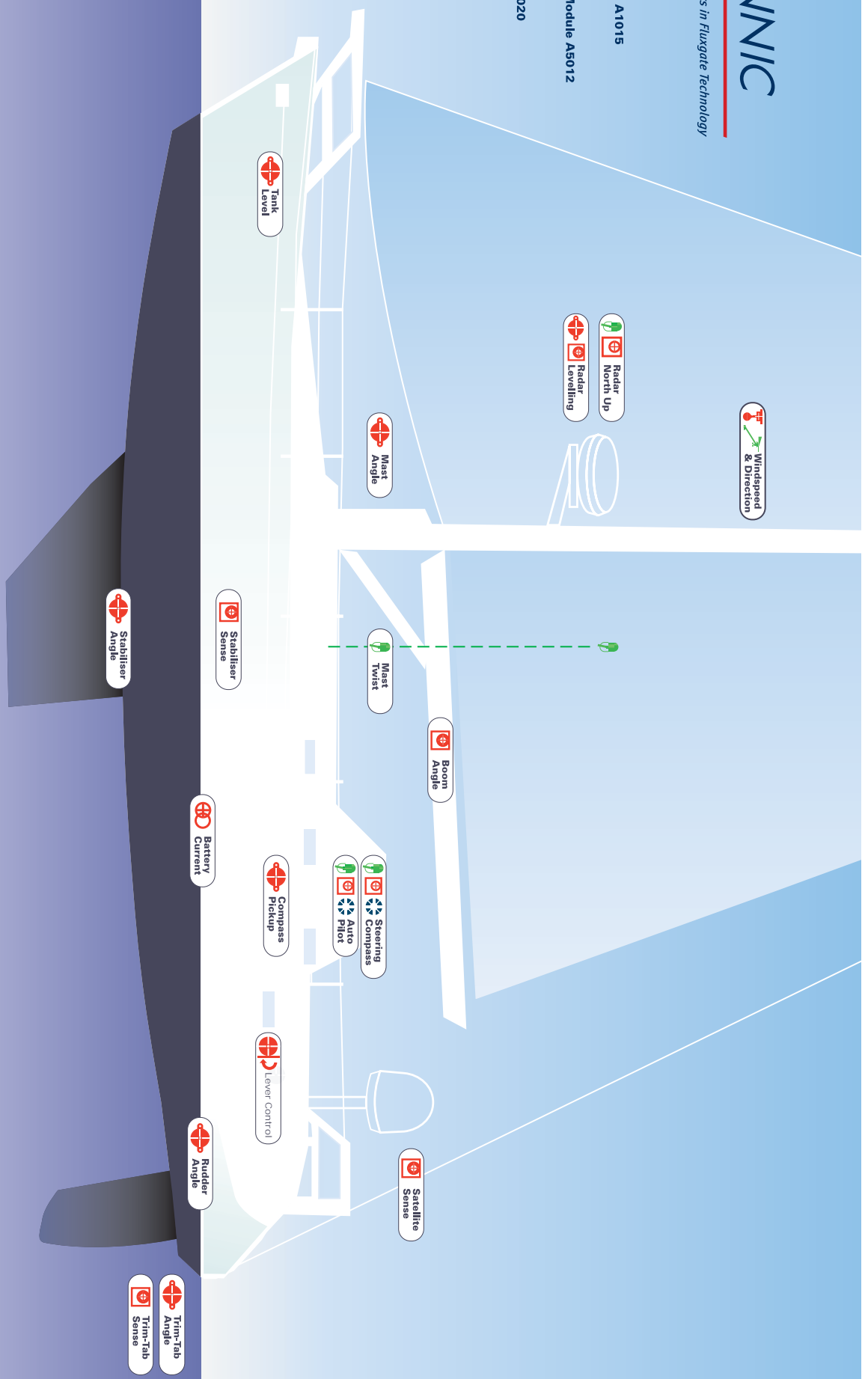
The first of a new range of waterproof, non-contact interaction devices. The A3300 is non contact and able to work through a sealed waterproof barrier.





World Leaders in Fluxgate Technology

-  Fluxgate Components AR35 A1015
-  Wind Speed and Direction Module A5012
-  NMEA Compass Module A5020
-  Vector Module A4036
-  Encoder A3030 A4030
-  Inclinometer A4025
-  Compass A4020
-  DC Sensor A3201
-  Lever Control A3300



Windspread & Direction

Radar North Up

Radar Levelling

Mast Angle

Mast Twist

Room Angle

Stabiliser Sense

Stabiliser Angle

Battery Current

Compass Pickup

Steering Auto Pilot

Steering Compass

Lever Control

Satellite Sense

Rudder Angle

Trim-Tab Angle

Trim-Tab Sense

Tank Level