

SEAGUARD® Current Meter can easily cope with the harshest environments!

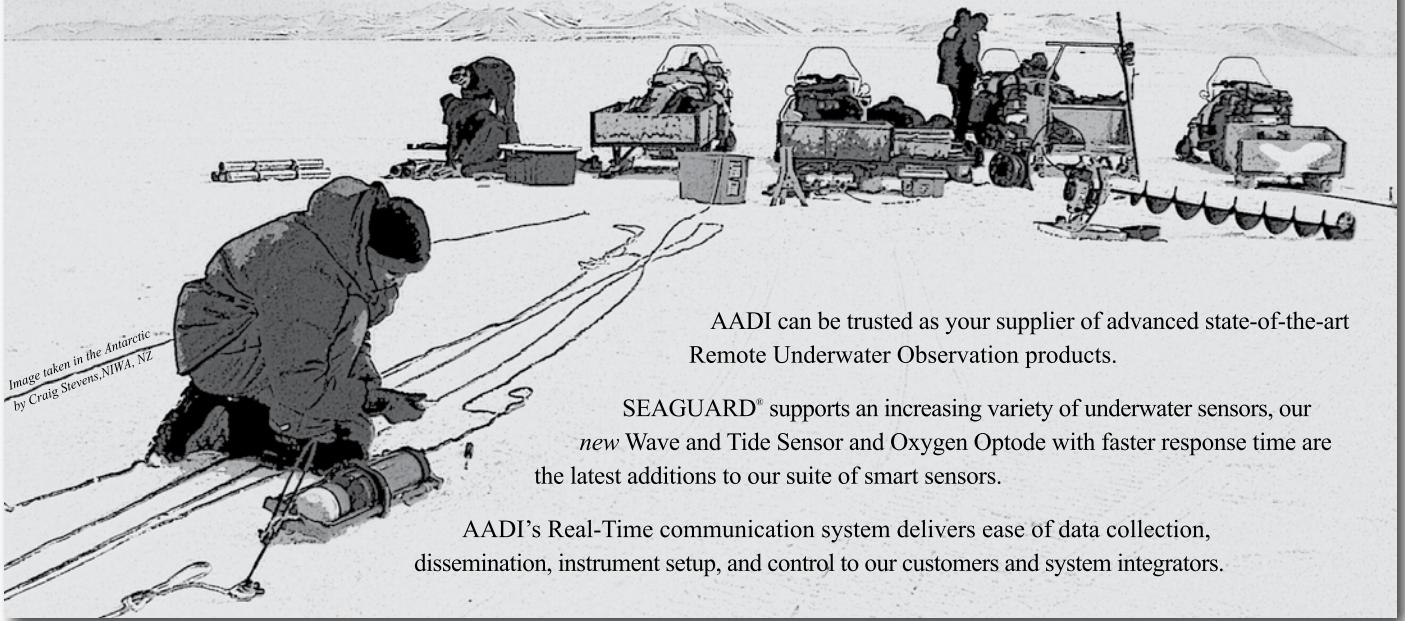


Image taken in the Antarctic
by Craig Stevens, NIWA, NZ

AADI can be trusted as your supplier of advanced state-of-the-art Remote Underwater Observation products.

SEAGUARD® supports an increasing variety of underwater sensors, our *new* Wave and Tide Sensor and Oxygen Optode with faster response time are the latest additions to our suite of smart sensors.

AADI's Real-Time communication system delivers ease of data collection, dissemination, instrument setup, and control to our customers and system integrators.

It's SEAGUARD® - it's as easy as it looks!

AADI continues to produce advanced commercially available Remote Underwater Observation products. SEAGUARD® supports an expanding line of underwater measurements. The AADI Wave & Tide Sensor and the Real-Time Data Collector for networked observatories was introduced in 2008.

Also released is an Oxygen Optode with fast response time. The Oxygen Optode is a compact fully integrated sensor for measuring O₂-concentration and can now be used for profiling.

Parameters that can be provided by Seaguard® Current Meter:

Sensor	Output
Doppler Current Sensor	Current Speed, Current Direction, Signal Strength, Tilt, Pitch and Roll
Wave and Tide Sensor	Sig. Wave height, Max. Wave Height, Mean Period and Mean Zero-Crossing Period, Temperature
Oxygen Optode Sensor	Dissolved Oxygen (mg/l, % saturation), Temperature
Tide Sensor	Depth, Tide, Temperature
Pressure Sensor	Depth, Temperature
Conductivity Sensor	Conductivity, Salinity, Temperature, Speed of Sound
Temperature Sensor	Temperature
Turbidity Sensor	Turbidity
Analog Sensors	Chlorophyll, CO ₂ ...

Trust us to supply robust instruments for long-term observations of the marine environment.



AANDERAA DATA INSTRUMENTS

Norway: +47 55 60 48 00
Spain: +34 96 2866709

USA: +1 508 226-9300
e-mail info@aadi.no - www.aadi.no

Reliable Solutions

The Benefits of the SEAGUARD® Multi-Sensor Platform

There are many benefits to be had with the state-of-the-art technology found in the Seaguard® family of instruments and sensors. Some of them are:

Calibration data is contained in the sensors. All the configuration information about the smart sensors is saved in the sensors and is available when the data is analyzed in Seaguard Studio. Easy to add additional sensors later (plug and play). Automatic detection of the sensors when Seaguard® is powered up.

The AADI Real-Time enabled devices like the Seaguard® Platform may be configured to transmit data autonomously (non-pollled mode). They may also respond to specific data requests (pollled mode) as well as control commands for remote operation and configuration.

Easy integration of third party analogue sensors. Data from the analogue sensors are available in engineering units.

ZPulse™ (unique multi-frequency acoustic technology, improves data quality, sampling speed and reduces power consumption) has increased accuracy at lower number of pings (compared to RCM 9/RCM 11).

Solid-state tilt sensor and compass, no moving parts, instant reaction, very short settling time. Tilt compensation up to 45 degrees.

For additional benefits please visit:

<http://www.aadi.no/Aanderaa/Products/Seaguard/default.aspx>

