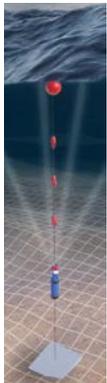


Aanderaa news at a glance

(February/March, 2014)

SeaGuardII DCP (Doppler Current Profiler): the latest innovation in Doppler technology integrated to the SeaGuard multiparameter platform

[SeaGuardII DCP](#) is the brand new acoustic profiler from Aanderaa joining the SeaGuard/SmartGuard family. It features innovative development of the acoustic profiling capacity and an exceptional ability to collect high quality current information on moving and tilting moorings.



SeaGuardII DCP is a 600kHz frequency instrument with multi-sensor capability with broadband and user selectable narrowband modes making it a perfect profiler for ocean, coastal, harbors and fish farming applications.

SeaGuardII DCP has expanded the capacity to serve as an observatory by hosting multiple sensors (e.g. analog, serial sensors and [long sensor strings](#)). In addition two acoustic profiling sensors can be plug-and-play connected to the same instrument making it possible to profile upwards and downwards simultaneously reaching the double range from a moored instrument. The battery capacity has been doubled compared to RDCP.



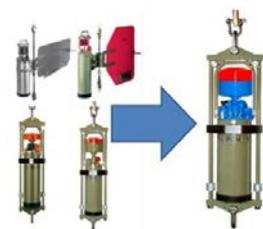
SeaGuard Basic: The SeaGuard platform has proven to be an exceptional instrument in terms of reliability and data quality. Now we introduce additional versions of this popular instrument. The [SeaGuard basic](#) comes without internal screen and offers an affordable solution that is set-up with our standard PC-based software Real-Time collector.

Titanium housings offer better depth ratings and lighter instruments without additional costs: The deep-water versions of SeaGuard have been upgraded with Titanium housings and top plates. The IW (Intermediate Water) version is now rated to 3000m. We also offer 6000m and 10000m rated instruments.

Mooring clamp-on solution: Through collaboration with [Planet Ocean](#) Aanderaa introduces the well proven Quick-clamp as rapid alternative of attaching our instruments to continued mooring lines and wires.



Upgrade campaign: Aanderaa has supplied users with reliable oceanographic instruments for 50 years. Many mechanical current meters from the 1970 are still in active use. We offer the opportunity to upgrade your old Aanderaa equipment to top performing Seaguard acoustic current meters with multisensor capacity, saving up to 50 %, by reusing mechanical parts from the old instruments. [More information](#)





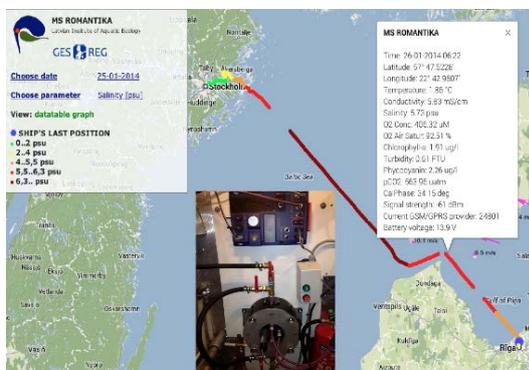
RCM Blue: First presented last year [RCM Blue](#) has quickly gained its position as a price effective alternative for a top quality coastal current meter. It is self-recording equipped with Bluetooth for set-up and data retrieval without opening. It measures currents with Z-pulse technology and temperature. It features exceptional battery capacity compared to other alternatives.

Aqua Optode and Multipoint calibrations: Aanderaa revolutionized oceanographic oxygen measurements with the introduction of Oxygen Optodes in 2002. The proven long-term stability (years) and reliability of these sensors have opened new possibilities in research and monitoring. [The latest development](#) include the new 100m rated Aqua Optode and forty-point calibrations (4 temperatures and 10 oxygen concentrations) of the 4330 and 4831 Optodes resulting in an absolute accuracy of $\pm 1.5\%$, which is the best on the market.



Now offering 0.01 % of Full Scale absolute accuracy on Wave and Tide sensors: Aanderaa has a long tradition of supplying users with robust and accurate wave and tide measurements. [Our Wave and Tide sensors](#) are part of our stand-alone smart-sensor technology. They have proven long-term stability and after new development they offer even better accuracy and resolution. For shallow water applications we have air pressure compensated (vented) sensors with inbuilt antifouling.

Compact Multiparameter Ferry Box/Ballast Water Monitoring System SOOGuard now with on-line data presentation and cloud solution:



[SOOGuard](#) is an exceptionally compact [SmartGuard](#) based modular flow-through system primarily intended for surface water measurements from ships/boats/moving platforms. After field evaluations and further development we now offer complete turnkey solutions including: on-line system (cell phone/iridium) with data stored locally and in a cloud solution and color-coded presentation in Google Maps ([see example](#)). Typical standard parameters in a one module

system includes: GPS position, Flow rate, Temperature, Salinity/Conductivity, Oxygen, Chlorophyll A, Turbidity, Phycoerythrin/Phycocyanin, FDOM/Hydrocarbons and Hull temperature. The system can be expanded with sensor for meteorological measurements as well. Sensors are easily accessible making operation and maintenance of the system fast and easy by non-experts.

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