Sea-Bird Scientific Launches Oil-in-Water Sensor

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Sea-Bird Scientific is pleased to announce the launch of the new SeaOWL UV-A™ in-situ oil-in-water sensor. Based upon the highly successful WET Labs ECO sensor, the SeaOwl UV-A™ introduces industry leading oil detection technology that creates a 5X optical resolution improvement over its predecessor. By combining three optical sensing techniques, this unique instrument greatly minimizes false positives, reducing operational cost and risk related to subsea oil leak detection.

SeaOWL UV-A™ measures proxies of phytoplankton abundance (chlorophyll fluorescence), total particle concentration (backscattering), and fluorescent dissolved organic matter (FDOM fluorescence) such as crude oil in a single data stream. A secondary calibration enables the determination of oil concentration within the FDOM fluorescence measurement. The SeaOWL UV-A™ incorporates a dynamic gain stage modulation and optimized electronics to provide a wide detection range and industry leading sensitivity across all optical measurement channels.

SeaOWL UV-A™ will be manufactured at the WET-Labs facility in Philomath, OR.

About Sea-Bird Scientific

Sea-Bird Scientific combines the capabilities of Sea-Bird Electronics, WET Labs and Satlantic to provide best-of-class sensors and systems for oceanographic research and environmental water quality monitoring. Today Sea-Bird Scientific employs over 200 people in the US, Canada, and Europe in the development, manufacture, calibration, sales, and support of our products. Sea-Bird Scientific products are used in numerous critical environmental research and monitoring efforts, ranging from determining the ocean's role in, and the associated impact from, climate changes to the monitoring of environmental impacts of major episodic events such as oil spills and tsunamis. Read more at www.sea-birdscientific.com

About WET-Labs

Founded in 1992, WET Labs provides the oceanographic and environmental monitoring community with the tools and techniques to help them better understand biological, physical, and chemical processes occurring in natural waters. WET Labs core products include Fluorometers, Transmissometers, Scattering sensors and Spectrophotometers. WET Labs sensors reliably provide accurate data about the Inherent Optical Properties of the aquatic environment for beam attenuation, absorption, turbidity, volume scattering function, fluorescence, and scattering. Read more at www.wetlabs.com

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