



SEA-BIRD
SCIENTIFIC



SeaOWL UV-A™ (Sea Oil-in-Water Locator)

Product #: SEAOWLUV-A
USD Price: Contact Sea-Bird

Based-upon the highly successful ECO sensor, Sea-Bird Scientific has developed an industry-leading oil-detection technology with 5X optical resolution improvement over its predecessor. SeaOWL-UV-A™ measures crude oil-in-water using the same UV-A excitation and blue emission wavelengths currently used in the ECO fDOM fluorometer. The SeaOWL UV-A™ improves the resolution and range of the ECO with a greater depth of field, optimized electronics and dynamic gain stage modulation. The new dynamic gain provides industry-leading sensitivity across a large detection range, making saturation unlikely in even the most heavily impacted environments. The compact SeaOWL UV-A™ design also includes chlorophyll fluorescence and 700 nm backscattering measurements to discriminate crude oil from phytoplankton and other natural sources of fDOM.

Specifications

Backscattering Range:	700 nm
Chlorophyll EX/EM:	470/690 nm
Chlorophyll Measurement Range:	0.005–250 µg/L
Chlorophyll Measurement Sensitivity:	0.005 µg/L
Current Draw:	7–15 VDC
Depth Rating:	2000 m