



## SeaOWL UV-A Sea Oil-in-Water Locator, SLC

**Product #:** FAS-542252  
**USD Price:** Contact Sea-Bird

### Miniature sensor for Oil-in-Water measurements

#### Differentiate crude oil from phytoplankton and other natural sources of FDOM

Backscattering and chlorophyll fluorescence provide discrimination of constituents

#### New dynamic gain

Prevents saturation even in heavily impacted environments

#### Optimized electronics

Dynamic gain stage modulation

#### Improved sensitivity

Provides industry-leading sensitivity over a large detection range

### Specifications

Backscattering Range:	0–0.04 m <sup>-1</sup> sr <sup>-1</sup>
Backscattering Sensitivity:	1E-06 m <sup>-1</sup> sr <sup>-1</sup>
Backscattering Wavelength:	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:	81 mA @ 7 V
Depth Rating:	2000 m
Displacement:	137 ml
FDOM EX/EM:	370/460 nm
FDOM Measurement Range:	0.03–900 ppb QSDE
FDOM Measurement Sensitivity:	0.03 ppb QSDE
Input Voltage:	7 – 15 VDC
Length:	5.46 cm
Oil Limit of Detection:	< 80 ppb crude oil
Oil Sensitivity:	5 ppb crude oil
Output:	14 bit resolution
Weight in air, water:	0.34 kg