



SEA-BIRD
SCIENTIFIC



ECO-FLBB-RTD Backscatter and Chlorophyll-a with real-time output

Product #: ECO2.2F030000AS

USD Price: Contact Sea-Bird

Combination Scattering and Fluorescence sensors

This optical sensor is available in combinations of backscattering, turbidity, and fluorescence measurements. ECOs feature optional active anti-fouling and internal batteries for long-term deployments, as well as a 6,000 m depth rating.

Multiple measurements in a compact design

Blue, green, or red scattering, Chlorophyll, FDOM, Phycocyanin, Phycoerythrin, or Rhodamine fluorescence

Multiple scattering and fluorescence combinations available

Free space measurement with no pump required

Available with internal batteries

Available with copper anti-fouling faceplate and wiper

Specifications

Anti-fouling:	No
Current Draw:	60 mA
Data Storage:	No
Depth Rating:	6000 m
Diameter:	6.3 cm
Fluorescence EX/EM:	470/695 nm
Fluorescence Range:	0–30 $\mu\text{g/L}$
Fluorescence Sensitivity:	0.025 $\mu\text{g/L}$
Fluorescence Type:	chlorophyll-a
Input Voltage:	7 – 15 VDC
Length:	17.8 cm
Sample Rate:	user-selectable to 8 Hz
Scattering Range:	0–3 m^{-1}
Scattering Sensitivity:	0.002 m^{-1}
Scattering Wavelengths:	700 nm
Weight in air, water:	1.3, 0.75 kg