



ECO Fluorometer

Product #:

ECO_FLUOROMETER

USD Price:

Contact Sea-Bird

Fluorescence sensors

The Environmental Characterization Optics (ECO) line of fluorometers provides both high resolution and wide measurement ranges using 14-bit digital processing. ECOs excel in biological monitoring and dye trace studies. Sensors can be equipped with active anti-biofouling and internal batteries.

ECO fluorometers measure fluorescence from chlorophyll-a, fDOM, uranine, rhodamine, and phycocyanin and phycoerythrin.

Chlorophyll-a, fDOM, phycocyanin, phycoerythrin, or rhodamine fluorescence

Free space measurement with no pump required

Specifications

Anti-fouling:	Wiper
Depth Rating:	300, 600 m
Diameter:	6.3 cm
FDOM EX/EM:	370/460 nm
FDOM Measurement Range:	0-375 ppb
FDOM Measurement Sensitivity:	0.09 ppb/count
Fluorescence EX/EM:	470/695 nm
Fluorescence Range:	0-30, 0-50, 0-75, 0-125, 0-250 µg/L
Fluorescence Sensitivity:	0.025 µg/L
Fluorescence Type:	uranine
Input Voltage:	7-15 VDC
Internal Batteries:	optional
Internal Memory:	optional
Phycocyanin EX/EM:	630/680 nm
Rhodamine EX/EM:	530/595 nm
Wiper:	optional