



ECO Triplet

Product #:

ECOTRIPLET

USD Price:

Contact Sea-Bird

The ECO Triplet features a copper faceplate covers all but the optics, and a central pivot three-armed copper and neoprene wiper clears the optics prior to sampling. The wiper and shaft assembly is oil filled, reducing the need for returning the instrument for shaft seal replacement. The ECO Triplet is configured for

- Biogeochemical measurements of chlorophyll and FDOM fluorescence and red backscattering
- Remote Sensing and Particle Dynamics Measurements—blue, green, and red backscattering.

Features

- Addresses the need for multiple simultaneous scattering and fluorescence sensors for autonomous and unattended measurement platforms.
- Performs a free space measurement and requires no pump. It accommodates a variety of deployment options.
- Provides excellent precision, reliability, and overall performance at a fraction of the cost and size of similar instruments.

Specifications

Backscattering Wavelength:	470, 532, 650, or 700 nm
Depth Rating:	600 m
FDOM EX/EM:	370/460 nm
FDOM Measurement Range:	0-375 ppb
FDOM Measurement Sensitivity:	0.28 ppb/count
Fluorescence EX/EM:	470/695 nm
Fluorescence Range:	0–50 µg/L
Fluorescence Sensitivity:	0.025 µg/L
Input Voltage:	7–15 VDC
Internal Batteries:	optional
Internal Memory:	yes
Phycocyanin EX/EM:	630/680 nm
Rhodamine EX/EM:	530/595 nm

Wiper:

optional