



## C-Star Transmissometer

Product #:

C-  
STARTRANSMISSOMETER

USD Price:

Contact Sea-Bird

### C-Star Transmissometer

The C-Star transmissometer has a novel monolithic housing with a highly integrated opto-electronic design to provide a low cost, compact solution for underwater measurements of beam transmittance. The C-Star is capable of free space measurements or flow-through sampling when used with a pump and optical flow tubes. The sensor can be used in profiling, moored, or underway applications. Available with a 6000 m depth rating.

- Shipboard application option
- 10 or 25 cm optical pathlengths
- Output is calculated beam attenuation
- Available in four wavelengths

#### Rugged design

Can be used for profiling, moored, or shipboard applications

#### Output is calculated beam attenuation

Flow tubes allow for pumped, flow-through data collection

#### 14-bit digital, or analog output

14-bit digital, or analog

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### Specifications

Acceptance Angle:	~ 1 deg
Current Draw:	< 35 mA
Depth Rating:	600 or 6,000 m
Digital Outputs:	0-16380 counts
Input Voltage:	7-15 VDC
Internal Batteries:	no
Internal Memory:	no
Length:	10 cm pathlength--29.2 cm; 25 cm pathlength--47 cm
Path Length:	10 or 25 cm
Sample Rate:	to 8 Hz
Spectral Bandwidth:	~ 20 nm
Wavelength:	470, 530, 650, or 715 nm

Weight in air, water:

10 cm pathlength--2.2, 0.9 kg; 25 cm pathlength--3.6, 2.7 kg

Wiper:

no