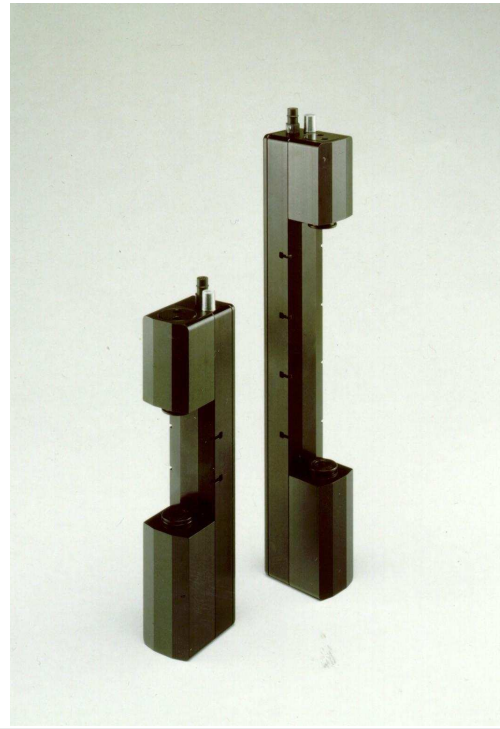


WET Lab's latest generation C-Star Transmissometer offers versatility in application with high resolution RS-232 data output. The new C-Star maintains its robust mechanical design.

- ✓ 14 bit analog and digital output
- ✓ Outputs calculated attenuation
- ✓ ECOView software included
- ✓ Compatible with previous generations
- ✓ Optional flow tube
- ✓ 10 cm and 25 cm pathlength
- ✓ Available in 6000 meter depth
- ✓ Easily interfaced
- ✓ Available in multiple wavelengths



## Specifications

### Mechanical

<i>25 cm pathlength</i>	(47 x 6.4 x 9.3 cm)
<i>10 cm pathlength</i>	(29.2 x 6.4 x 9.3 cm)
<i>Weight in air</i>	2.2 kg (plastic) 3.6 kg (aluminum)
<i>Weight in water</i>	0.9 kg (plastic) 2.7 kg (aluminum)

### Optical

<i>Pathlength</i>	25 or 10 cm
<i>Wavelengths</i>	370, 470, 530 or 650 nm
<i>Acceptance angle</i>	~1 deg
<i>Bandwidth (FWHM) 470, 530, 660 nm</i>	~ 20 nm
<i>Bandwidth (FWHM) 370 nm</i>	~ 10–12 nm
<i>Precision</i>	0.003m <sup>-1</sup> @ 1Hz

### Electrical

<i>Output Resolution</i>	14 bit
<i>RS-232 output</i>	19200 baud
<i>Connector</i>	MCBH-6-MP
<i>Power input</i>	7–15 VDC
<i>Operating Current, typ.</i>	35 mA
<i>Operating Current, max.</i>	50 mA
<i>Sample rate</i>	To 8Hz

### Environmental

<i>Rated depth</i>	600 m (plastic) 6000 m (aluminum)
<i>Temperature stability 38-3-20 deg C</i>	0.02 percent F.S./deg C
<i>Temperature Range</i>	-2–40 deg C

*Specifications are subject to change without notice.*

# C-Star

## Specifications Sheet

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### Revision History

<b>Revision</b>	<b>Date</b>	<b>Revision Description</b>	<b>Originator</b>
A	12/01/99	Begin revision control	H. Van Zee
B	1/3/00	Update Optical Specifications	C. Moore
C	8/10/00	Correct Beam Divergence (DCR 53)	J. Kitchen
D	5/30/01	General Update (DCR 91)	H. Van Zee
E	5/29/03	Add digital capabilities (DCR 304)	H. Van Zee
F	6/23/03	Add 370 nm meter, correct green wavelength (DCR 310)	H. Van Zee
G	6/8/04	Update format (DCR 402)	H. Van Zee
H	3/4/05	Add temp range and depth rating (DCR 461)	H. Van Zee
I	4/24/06	Delete Linearity error spec (DCR 496)	H. Van Zee, I. Walsh
J	2/12/09	Update specs and change format (DCR 657)	H. Van Zee
K	2/12/10	Update for new boards	C. Wetzel, A. Hahn