


Appendix: Triplet BBFL2-SLO Configuration

<i>Diameter</i>	7.6 cm
<i>Length (approx.)</i>	12.7 cm
<i>Weight in air</i>	0.4 kg
Verify actual weight before deployment	
<i>Material</i>	ABS
<i>Temperature range</i>	0–30 deg C
<i>Depth rating</i>	200 m
<i>Digital output resolution</i>	12 bit
<i>Input</i>	7–15 VDC
<i>Current, typical</i>	50 mA
<i>Sample rate</i>	to 4 Hz
<i>RS-232 output</i>	19200 baud
<i>Scattering wavelength</i>	650 nm
<i>Sensitivity, 650 nm</i>	0.003 m ⁻¹
<i>Chlorophyll EX/EM</i>	470/695 nm
<i>CDOM EX/EM</i>	370/460 nm
<i>Sensitivity, chlorophyll</i>	0.025 µg/l
<i>Sensitivity, CDOM</i>	0.28 ppb
<i>Linearity</i>	99% R ²

Molex Connector and Pin-outs

	Pin	Function
	1	Reserved
	2	V in
	3	RS-232 TX
	4	RS-232 RX
	5	Reserved
6	Ground	

WARNING

If you are going to build or use a non-WET Labs-built cable, do not use the wire from pin 1 or the ECO meter will be damaged.

Sample Data Output

Date	Time	EM	650 Sig	EM	Chl Sig	EM	CDOM Sig	Therm
99/99/99	99:99:99	650	54	695	57	460	142	550
99/99/99	99:99:99	650	55	695	57	460	142	550
99/99/99	99:99:99	650	55	695	57	460	152	550
99/99/99	99:99:99	650	55	695	57	460	154	550
99/99/99	99:99:99	650	55	695	57	460	148	550
99/99/99	99:99:99	650	54	695	57	460	145	550