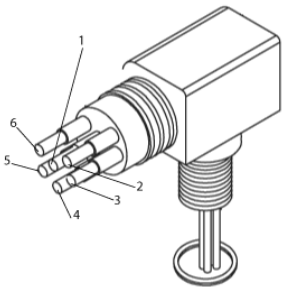


Appendix: BB2FL-MBA (470, 650, Chl) Puck Configuration

Diameter	6.3 cm
Length (approx.)	6.35 cm
Weight in air	0.30 kg
Verify actual weight before deployment	
Material	ABS
Connector	MCBHRA-6-MP
Temperature range	0–30 deg C
Depth rating	600 m
Digital output resolution	12 bit
Input	7–15 VDC
Current, typical	80 mA
Sample rate	to 4 Hz
RS-232 output	19200 baud
Fluorometer EX/EM	470/695 nm
Fluorometer sensitivity	0.01 µg/l
Scattering wavelengths	470, 650 nm
Sensitivity, 470	$4.1 \times 10^{-5} \text{ m}^{-1}/\text{sr}$
Sensitivity, 650	$5.6 \times 10^{-6} \text{ m}^{-1}/\text{sr}$
Accuracy, (min.)	0.005 m^{-1} @ 1 Hz
Linearity	99% R^2

Connector and Pin-outs

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

WARNING

If you are going to build or use a non-WET Labs-built cable, do not use the wire from pin 3 or the *ECO* meter will be damaged.

Sample Data Output

Date	Time	N/U	470 Sig	N/U	650 Sig	N/U	Chl Sig	Therm
99/99/99	99:99:99	470	54	650	57	470	55	550
99/99/99	99:99:99	470	4119	650	4120	470	4120	550
99/99/99	99:99:99	470	4119	650	4120	470	4120	550
99/99/99	99:99:99	470	4119	650	4120	470	4120	550
99/99/99	99:99:99	470	4119	650	4120	470	4120	550