



ECOflbbbb151117

## **ECO flbbbb map**

User manual

11/2015, Edition B



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# Section 1 ECO FLBBBB Specifications

## 1.1 Mechanical

Diameter	6.30 cm
Length	17.68 cm
Depth rating	6000 m
Temperature range	0–30 °C
Weight in air, water	1.3 kg, 0.75 kg

Contact	Function	IE55-1206
1	Ground	
2	RS232 RX	
3	Reserved	
4	Voltage in	
5	RS232 TX	
6	Reserved	

## 1.2 Electrical

Input	7–15 VDC
Current draw	60 mA
Linearity	99%

## 1.3 Communications

Sample rate	to 4 Hz
RS232 output rate	19200 baud
Data resolution	12 bit
Digital output maximum	4130 ±30 counts

## 1.4 Optical

Parameter	Wavelength EX/EM	Range, Sensitivity
Chlorophyll (Chl)	470/695 nm	0–50, 0.025 µg/L
Scattering	470 nm	0–5, 0.003 m <sup>-1</sup>
	700 nm	0–5, 0.003 m <sup>-1</sup>





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