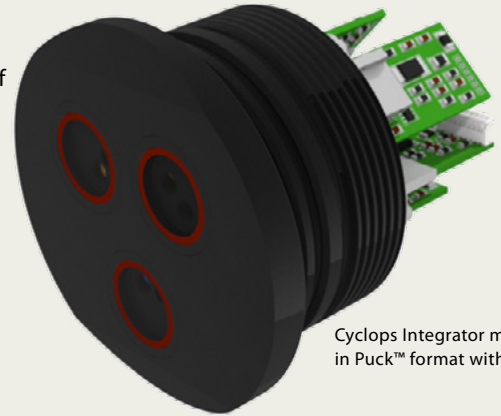


Cyclops Integrator

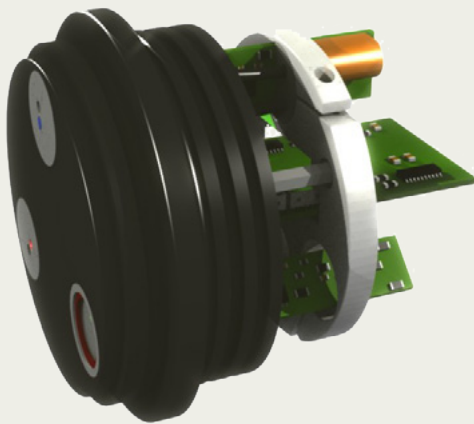
The Cyclops Integrator provides simple control electronics for system integration of the Cyclops Submersible Fluorometers & Turbidimeter. One, two, or three optical sensors ranging from deep ultraviolet to the infrared spectrum can be mounted with the Cyclops Integrator electronics in a compact footprint. Two pre-defined packages are available as well as custom packaging opportunities for OEMs.



Cyclops Integrator mounted in Puck™ format with 3 sensors

Highlights of the Cyclops Integrator

- One, Two or Three Optical Sensors
- Customer-Specified Packaging
- Low Power Requirements
- Quick Power Up - 3 Seconds to 1st Data Output
- Simple Data Integration



Cyclops Integrator mounted in C3 format with 3 sensors

Application	Minimum Detection Limit	Dynamic Range
CDOM/FDOM	0.15 ppb**	0-1250 ppb**
	0.5 ppb***	0-5000 ppb***
Chlorophyll <i>in vivo</i>	0.025 µg/L	0-500 µg/L
Fluorescein Dye	0.01 ppb	0-500 ppb
Oil - Crude	0.2 ppb***	0-2700 ppb***
Oil - Fine	10 ppb*	>10,000 ppb*
	10 ppm****	>100ppm****
Optical Brighteners	0.6 ppb***	0-15,000 ppb***
Phycocyanin	2 ppb ^{PC}	0-40,000 ppb ^{PC}
Phycoerythrin	0.15 ppb ^{PE}	0-750 ppb ^{PE}
PTSA Dye	0.1 ppb***	0-650 ppb***
Rhodamine Dye	0.01 ppb	0-1000 ppb
Tryptophan	3 ppb	>20,000 ppb
Turbidity	0.05 NTU	0-3000 NTU

* 1,5 Naphthalene Disulfonic Disodium Salt
 ** Quinine Sulfate
 *** PTSA (1,3, 6, 8 - Pyrenetetrasulfonic Acid Tetrasodium Salt)
 **** BTEX (Benzene, Toluene, Ethylbenzene, Xylenes)
 PC Phycocyanin pigment from Prozyme diluted in Deionized water
 PE Phycoerythrin pigment from Prozyme diluted in Deionized water

CI Physical Specifications		CI Electrical Specifications	
Board:		Output	RS232
Length	7.62 cm; 3 in	Sample Interval	1 Second
Width	2.54 cm; 1 in	Minimum Power Supply	8 - 30V; 3W
Sensors:		Maximum Current Draw @ 12 volts w/ 3 sensors	
Temperature	-2 to 50 degrees C.	- operational	~100 mA
Depth Options	0 to 600 meters 0 to 1000 meters 0 to 6000 meters		

Contact Us

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