

Cyclops Integrator

Cyclops Integrator provides a package optimized for integrating Cyclops sensors into vehicles. One, two, or three optical sensors ranging from deep ultraviolet to infrared can be mounted with the Cyclops Integrator electronics in a very compact footprint. Submersible to 1000m, the Cyclops Integrator is available with or without a watertight housing.



Highlights of the Cyclops Integrator

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

Application	Minimum Detection Limit	Dynamic Range
CDOM/FDOM	0.15 ppb** 0.5 ppb***	0-1250 ppb** 0-5000 ppb***
Chlorophyll <i>in vivo</i>		
Blue excitation	0.025 µg/L	0-500 µg/L
Red excitation	0.5 µg/L	>500 µg/L
Fluorescein Dye	0.01 ppb	0-500 ppb
Oil - Crude	0.2 ppb***	0-2700 ppb***
Oil - Fine	10 ppb* 10 ppm****	>10,000 ppb* >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}
Rhodamine Dye	0.01 ppb	0-1000 ppb
Tryptophan	3 ppb	>20,000 ppb
Turbidity	0.1 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	
Diameter	<3 in; 7.7 cm	Output	RS232
Height	1.625 in; 4.1 cm	Sample Interval	1 Second
Height w/ Housing	3.15 in; 8 cm	Minimum Power Supply	12 - 30V; 3W
Temperature	-2 to 50 degrees C.	Maximum Current w/ 3 sensors	80 mA
Depth	0 to 1000 meters		
Material	Anodized Aluminum		

Contact Us

Toll-Free : 1.877.316.8049
 Phone : 408.749.0994
 Fax : 408.749.0998

Email : sales@turnerdesigns.com
 Web : www.turnerdesigns.com

Address:
 1995 N. 1st Street
 San Jose, CA 95112