



Dive into discovery with PME water quality sensors.

Cyclops-7 Interchangeable Logger

Submersible data logger for a variety of measurements in water.

The Cyclops-7 Interchangeable Logger allows for one Turner Designs Cyclops-7 sensor to be plugged in at each time.



The logger records measurements internally at a variety of possible sample rates. Data are offloaded from the logger to a computer via a standard USB cable. The logger is completely self contained and water proof. Internal power allows for the logger to operate for roughly 28,000 samples.

Available Measurements Include: Blue Green Algae, CDOM/FDOM, Chlorophyll, Crude Oil, Fluorescein Dye, Optical Brighteners, Refined Fuels, Rhodamine WT Dye, Tryptophan, Turbidity.

Facts at a Glance

- Portable, completely submersible, easy to operate.
- User replaceable batteries and long lasting in the field.
- Visualization software included.
- Auto ranging implemented.
- Plug n play operation for Turner Designs Cyclops-7 sensors and computer.

Specifications, Cyclops-7 Interchangeable Part Number, 7400

Sensor Type	Blue Green Algae, CDOM/FDOM, Chlorophyll, Crude Oil, Fluorescein Dye, Optical Brighteners, Refined Fuels, Rhodamine WT Dye, Tryptophan, Turbidity
Operating Temperature Range	0 to 35 degrees C
Temperature Accuracy	0.2 degrees C
Temperature Resolution	10 millidegrees
Sampling Power Capacity	28,000 samples before batteries need to be replaced
Memory	Unlimited
Logging Rate	5 seconds to 24 hours
Battery	Two C cell. User replaceable
Software	Provided. Data visualization and control
Logger Weight in Air	1.60 lbs
Dimensions	1.75 inches diameter x 20 inches length
Maximum Depth	100 meters (328 feet)



Dive into discovery with PME water quality sensors.

Cyclops-7 Sensor Specifications

The Cyclops-7 line of submersible sensors is a high performance, compact sensor at a significantly lower price than traditional submersible sensors.



Application	Minimum Detection Limit	Dynamic Range
CDOM/FDOM	0.15 ppb** 0.5 ppb***	0-1250 ppb** 0-5000 ppb***
Chlorophyll in vivo Blue Excitation Red Excitation	0.025 µg/L 0.5 µg/L	0-500 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* >100 ppm****
Optical Brighteners	0.6 ppb***	0-15,000 ppb***
Phycocyanin (Freshwater Cyanobacteria)	2 ppb (Phycocyanin pigment from Prozyme diluted in Deionized water)	0-40,000 ppb (Phycocyanin pigment from Prozyme diluted in Deionized water)
Phycoerythrin (Marine Cyanobacteria)	0.15 ppb (Phycoerythrin pigment from Prozyme diluted in Deionized water)	0-750 ppb (Phycoerythrin pigment from Prozyme diluted in Deionized water)
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 Napthalene Disulfonic Disodium Salt

** Quinine Sulfate

*** PTSA (1,3, 6, 8 - Pyrenetetrasulfonic Acid Tetrasodium Salt)

**** BTEX (Benzene, Toluene, Ethylbenzene, Xylenes)

Cyclops-7 Physical Dimensions

Length x Diameter 5.7" x 0.9" (Stainless Steel)

Weight 5.0 oz; 142 grams