

# CYCLOPS-7 Logger

PME Cyclops-7 Logger designed for Turner Designs' Cyclops sensors.



The Interchangeable and Fixed Cyclops-7 Logger is compatible with Turner Designs' Cyclops-7 sensors, offering users maximum flexibility in measurement capabilities. User-determined sample intervals collect and record water quality data internally. Data is transferable via a standard USB cable, and upon connection the logger will automatically adjust for sensor gain based on measurement conditions.

## SUPPORTED MEASUREMENTS

Chlorophyll, Rhodamine, Fluorescein, Phycocyanin Optics (Blue-Green Algae freshwater), CDOM/FDOM, Refined Fuels, Crude Oil, Turbidity, Phycoerythrin, Red Excitation Chlorophyll

**THE FIXED CYCLOPS-7 LOGGER** connects to one Turner Designs' Cyclops-7 sensor. The sensor is permanently installed on the Fixed Cyclops-7 Logger and cannot be removed by the user.

**THE INTERCHANGEABLE CYCLOPS-7 LOGGER** connects to one Turner Designs' Cyclops-7 sensor at a time. Sensors are removable and can be interchanged by the user.

- Customizable, user-calibrated sensors
- Gain auto-ranging sensing and recording

## SPECIFICATIONS: INTERCHANGEABLE PART NUMBER 7400 / FIXED PART NUMBER 7401

Sensor Type	Chlorophyll, Rhodamine, Fluorescein, Phycocyanin (freshwater), CDOM/FDOM, Refined Fuels, Tryptophan, Turbidity
Operating Temperature Range	0 to 35 degrees C
Calibration Range	Sensor specific
Temperature Accuracy	0.2 degrees C
Temperature Resolution	1 millidegree C
Sampling Power Capacity	28,000 samples before batteries need to be replaced
Memory	Unlimited
Logging Interval	5 seconds to 24 hours
Battery	Two C cell batteries. User replaceable
Software Included	Data visualization and control
Weight	1.6 lbs
Dimensions	1.75 inches diameter x 18.3 inches length
Maximum Depth	100 meters (328 feet)

## SENSOR OPTIONS

INTERCHANGEABLE	Chlorophyll	Rhodamine	Fluorescein	Phycocyanin	CDOM/FDOM	Refined Fuels	Tryptophan	Turbidity
Measurement Range	0 - 500 µg/L	0 - 1,000 ppb	0 - 150 ppb	0 - 4,500 ppb	0 - 3000 ppb	0 - 1,500 ppb	0 - 5,000 ppb	0 - 1,500 NTU
Resolution	0.3 µg/L	0.01 ppb	0.01 ppb	2 ppb	0.5 ppb	0.2 ppb	3 ppb	0.05 NTU

FIXED	Chlorophyll	CDOM/FDOM	Turbidity
Measurement Range	0 - 500 µg/L	0 - 3000 ppb	0 - 1,500 NTU
Resolution	0.3 µg/L	0.5 ppb	0.05 NTU

## WIPER for CYCLOPS-7 Logger

The anti-fouling WIPER is a self-contained, completely submersible wiping device compatible with the Cyclops-7 Logger. Its brushing wheel rotates over the sensor surface, reducing the growth of various organisms and preventing biofouling. After each rotation the brush rests away from the sensor to avoid any monitoring interference, allowing for accurate and continuous monitoring.

