

# C-FLUOR Logger

PME C-FLUOR Logger designed for Turner Designs' C-FLUOR sensors.



The Interchangeable and Fixed C-FLUOR Logger connects seamlessly with Turner Designs' C-FLUOR sensors, offering users maximum flexibility in measurement capabilities. Programmable sample intervals collect and record data internally. Data is easily transferred for analysis via standard USB cable connection.

## SUPPORTED MEASUREMENTS

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

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

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

User selected sensors are pre-calibrated and arrive pre-programmed into the C-FLUOR Logger. PME software also facilitates user installation of additional sensors post-delivery.

## SPECIFICATIONS: INTERCHANGEABLE PART NUMBER 7800 / FIXED PART NUMBER 7803

Sensor Type	Chlorophyll, Rhodamine, Fluorescein, Phycocyanin (freshwater), CDOM/FDOM, Refined Fuels, 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	200,000 samples and a total of 130 days @ 1 minute sample rate or more than a year with 10+ minute sample rate
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 20.75 inches length
Maximum Depth	100 meters (328 feet)

## SENSOR OPTIONS

INTERCHANGEABLE	Chlorophyll	Rhodamine	Red Excitation Chlorophyll	Fluorescein	Phycocyanin	Phycoerythrin	CDOM/FDOM	Crude Oil	Optical Brighteners	Turbidity
Measurement Range	0 - 500 µg/L	0 - 200 ppb	0 - 500 µg/L	0 - 150 ppb	0 - 4,500 ppb	0 - 4,500 ppb	0 - 500 ppb	0 - 300 ppb	0 - 300 ppb	0 - 200 NTU
Resolution	0.3 µg/L	0.03 ppb	0.3 µg/L	0.02 ppb	0.8 ppb	0.8 ppb	0.2 ppb	0.2 ppb	0.08 ppb	0.1 NTU

FIXED	Chlorophyll	Red Excitation Chlorophyll	Phycocyanin	Crude Oil	Turbidity
Measurement Range	0 - 500 µg/L	0 - 500 µg/L	0 - 4,500 ppb	0 - 300 ppb	0 - 200 NTU
Resolution	0.3 µg/L	0.3 µg/L	0.8 ppb	0.2 ppb	0.1 NTU

## WIPER for C-FLUOR Logger

The anti-fouling WIPER is a self-contained, completely submersible wiping device compatible with the C-FLUOR 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.

