

CyanoFluor™

Handheld HAB Indicator



Predict the Onset of Harmful Algal Blooms

CyanoFluor™ HAB Indicator

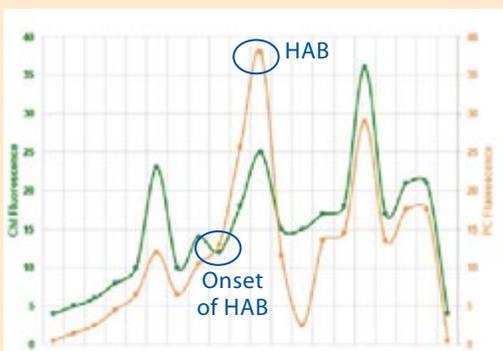
Early identification of harmful algal blooms (HABs) is important for protecting public health. CyanoFluor™ is a field-portable fluorometer which can quickly estimate the abundance of cyanobacteria in a mixed algal population using PC (phycocyanin) to CHL (chlorophyll) ratios. Monitoring PC to CHL ratios over time enables users to predict the onset of HABs and leverage resources to mitigate their harmful effects.

Raw water samples can be quickly analyzed with results displayed in less than 30 seconds. Simply insert a cuvette with your sample and press READ. PC:CHL ratios are displayed and logged and can be downloaded at a later time.

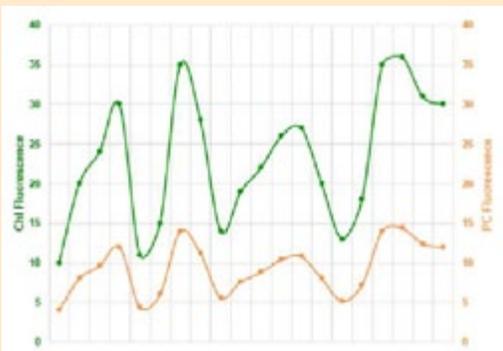
CyanoFluor is factory-calibrated meaning no calibration is required; RFU values can be correlated to $\mu\text{g/L}$ using conversion coefficients. Solid-state opto-electronics ensure long term instrument stability. CyanoFluor's intuitive functions, small size, and internal data storage make it an ideal field instrument for HAB monitoring.

Highlights of the CyanoFluor™

- **Estimate Abundance of Cyanobacteria**
 - PC:CHL Ratios Automatically Calculated
 - Raw Fluorescence Tracking
- **Factory Calibrated**
 - Results in <30 seconds
 - Quick Calibration Check
- **Excellent Sensitivity and Repeatability**
 - PC MDL = 0.3 $\mu\text{g/L}$
 - Chlor MDL = 0.3 $\mu\text{g/L}$
- **Portable**
 - Handheld, Battery-Powered
 - Internal Data Logging



By monitoring pigment ratios, PC:CHL, you can get an early indication that conditions are favoring cyanobacterial production which typically lead to HABs.



Monitoring PC levels alone will not provide enough information to determine the onset of HABs as it may simply reflect changes in the total algal population.



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CyanoFluor™ Specifications

MDL	0.3 µg/L
Linear Range	0-100 µg/L
Linearity	0.99R ²
Weight in Air	13.9 oz; 0.4 kg
Size	1.75" x 3.5" x 7.25"; 4.45 cm x 8.9 cm x 18.4 cm
Warm-up Time	5 seconds
Case	IP 67 standard; dustproof/waterproof
Temperature	41-104°F; 5-40°C
Power	4 AAA batteries (standard or rechargeable)
Max Data Capacity	1,000 measurements
Data Output	ASCII via USB

Ordering Information

INSTRUMENT PACKAGES	PART NUMBER
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CyanoFluor™ Handheld HAB Indicator, Field Package	8700-000
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Includes carrying case, 2 each 10x10mm glass cuvettes, 60cc sampling syringe, 10 each 0.2 µm filter capsules, calibration check standard, data download cable, storage pouch and kim wipes.

Contact Us

Toll-Free : 1.877.316.8049

Email : sales@turnerdesigns.com

Address:

Phone : 408.749.0994

Web : www.turnerdesigns.com

1995 N. 1st Street

Fax : 408.749.0998

San Jose, CA 95112