

CYANOFLUOR™

Handheld HAB Indicator



PRODUCT HIGHLIGHTS

- 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 µg/L
 - Chlor MDL = 0.3 µg/L
- Portable
 - Handheld, Battery-Powered
 - Internal Data Logging

Predict the Onset of Harmful Algal Blooms

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.

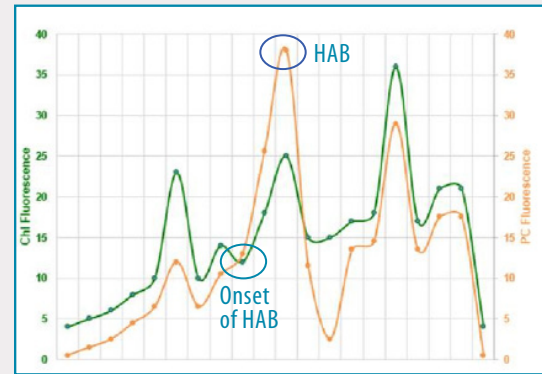
CyanoFluor is factory-calibrated meaning no calibration is required; RFU values can be correlated to µg/L using conversion coefficients. Solid-state opto-electronics ensure long term instrument stability. CyanoFluor's intuitive functions, small size, and internal data storage make it an ideal field instrument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

WHO WE ARE

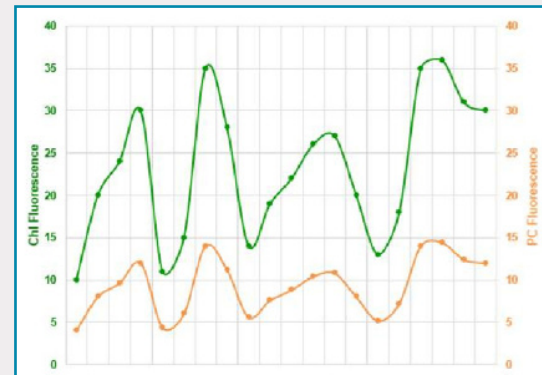
Since 1972 Turner Designs has provided over 75,000 sensitive, reliable and easy-to-use fluorometers for environmental and industrial uses. We specialize in sensitive detection of materials with fluorescence properties. With distributors around the world, we provide free technical support for the life of our instruments.

SPECIFICATIONS

- MDL: 0.3 µg/L
- Linear Range: 0-100 µg/L
- Linearity: 0.99R2
- 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



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.