

# CyanoFluor™

Handheld HAB Indicator



## Predict the Onset of Harmful Algal Blooms

### CyanoFluor™ Handheld HAB Indicator

Early identification of harmful algal blooms (HABs) is important to be able to leverage resources to protect public health. CyanoFluor™ is a field-portable fluorometer which quickly performs internal calculations providing an indication of whether environmental conditions are changing, favoring cyanobacterial production which typically lead to HABs. CyanoFluor provides PC (phycocyanin) to CHL (chlorophyll) ratios for determining relative contribution of cyanobacterial populations within whole phytoplankton populations. Monitoring PC to CHL ratios over time enables users to spot the increase of cyanobacteria as an early indication of HAB development. Predicting the onset of these types of blooms is critical for controlling and mitigating their harmful effects.



Raw water samples can be quickly analyzed with results displayed in less than 30 seconds. Simply insert a 4-sided clear 10x10mm square glass or quartz cuvette with your sample and press READ. PC:CHL ratios are displayed and logged to be downloaded at a later time. Raw fluorescence readings are also displayed and can be correlated with µg/L chlorophyll concentrations.

CyanoFluor is factory calibrated meaning no calibration standards or tools are required; solid state opto electronics ensure long term instrument stability. CyanoFluor's intuitive functions, self-contained design, small size, internal data storage and field portability make it an ideal instrument for HAB monitoring efforts.

### Ordering Information

INSTRUMENT PACKAGES	PART NUMBER
<b>CyanoFluor™ Handheld HAB Indicator, Field Package</b> Includes carrying case, 2 each 10x10mm glass cuvettes, 60cc sampling syringe, 10 each filter capsules, calibration check standard, data download cable, storage pouch and kim wipes.	8700-000
<b>CyanoFluor™ Handheld HAB Indicator, Lab Package</b> Includes storage pouch, 1 each 10x10mm glass cuvette, 10 each filter capsules, and data download cable.	8700-001

### Highlights of the CyanoFluor™

- Estimate Abundance of Cyanobacteria
  - PC:CHL Ratios
  - Raw Fluorescence Tracking
- Fast
  - Results in <30 seconds
  - Quick Calibration Check
- Portable
  - Handheld, Battery Powered
  - Highly Durable Case
  - Internal Data Logging

### CyanoFluor™ Specifications

MDL	0.3 µg/L
Linear Range	0-100 µg/L
Linearity	0.99R <sup>2</sup>
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

### Contact Us

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