# *Aqua*Flash™

## Handheld Active Fluorometer

TURNER DESIGNS


# Assess Photosynthetic Efficiency of Algae

### *Highlights of the AquaFlash™*

- Fast
  - Results in <15 seconds
    - Total Chlorophyll (µg/L)
    - Photosynthetic Efficiency (yield)
  - Quick Calibration Check
- Portable
  - Handheld, Battery Powered
  - Highly Durable Case
  - Internal Data Logging

## *Aqua*Flash™ Handheld Active Fluorometer

The *Aqua*Flash™ provides quick and accurate estimations for total chlorophyll and photosynthetic efficiency "health" of algae using *in vivo* fluorescence detection. The sample is saturated with high intensity light to quickly attain the maximum fluorescence state of algae. The fixed saturation pulse is optimized for this package enabling accurate results in less than 15 seconds. Simply insert a 10x10mm square glass or quartz cuvette with your sample and press READ. Results are displayed and automatically logged to be viewed or downloaded at a later time. The *Aqua*Flash has a total data storage capacity of 1,000 measurements which include raw fluorescence values along with calculated estimates for user reference.

## Ordering Information

| INSTRUMENT | PART NUMBER |
|---|---|
| *Aqua*Flash™ Handheld Active Fluorometer | 8600-000 |

| ACCESSORIES | PART NUMBER |
|---|---|
| 10x10 mm Square Glass Cuvette | 7000-955 |
| Wrist Strap | 030-8500 |
| Adjustable Solid Secondary Standard | 8000-951 |
| *Aqua*Flash™ Calibration Solution | 8600-225 |

### *Aqua*Flash™ Specifications

| | |
|---|---|
| MDL | 0.3 µg/L |
| Dynamic Range | 0-100 µg/L |
| Linearity | 0.99$R^2$ |
| 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 |

*Aqua*Flash limits were determined using *P. micans* and *Tetraselmis sp.*; limits may vary for other algal species

## Contact Us

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