

Total Chlorophyll



Photosynthetic Efficiency

AquaFlash™ Handheld Active Fluorometer

The AquaFlash™ provides quick and accurate estimations for total chlorophyll and photosynthetic efficiency "health" of algae using *in vivo* fluorescence detection. 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 AquaFlash has a total data storage capacity of 1,000 measurements which include raw fluorescence values along with calculated estimates for user reference.

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

Ordering Information

| INSTRUMENT | PART NUMBER |
|--|-------------|
| AquaFlash™ Handheld Active Fluorometer | 8600-000 |

| ACCESSORIES | PART NUMBER |
|--|-------------|
| Wrist Strap | 030-8500 |
| 200ppb Rhodamine WT Calibration Solution | 6500-020 |

AquaFlash™ Specifications

| | |
|-------------------|--|
| MDL | 0.3 µg/L |
| Linear Range | 0.3-100 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 |

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

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