

# AquaFlash™

Handheld Active Fluorometer



## Assess Photosynthetic Efficiency of Algae

### 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. 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 AquaFlash 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
AquaFlash™ 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
AquaFlash™ Calibration Solution	8600-225

### 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

### AquaFlash™ Specifications

MDL	0.3 µg/L
Linear Range	0.3-100 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

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



t +61 2 9894 4511  
e sales@aqualab.com.au  
w www.aqualab.com.au