

AquaFluor®

Handheld Fluorometer/Turbidimeter

The AquaFluor is a lightweight, inexpensive, handheld fluorometer/turbidimeter ideal for field use. Its small size and durability make the AquaFluor perfect for the user who needs quick measurements away from the laboratory. Dual-channel capability allows users to measure fluorescence and turbidity in one sample. While small in size, performance has not been compromised.



PERFORMANCE SPECIFICATIONS

Application	Minimum Detection Limit	Linear Range
Ammonium	0.1 μ M	0-100 μ M*
CDOM/FDOM	0.1 ppb	0-1,000 ppb
Chlorophyll a Extracted (Acidification)	0.5 μ g/L	0-300 μ g/L
Chlorophyll <i>in vivo</i>	0.3 μ g/L	0-300 μ g/L
Fluorescein Dye	0.4 ppb	0-400 ppb
Oil	3 ppm***	400 ppm***
Optical Brighteners	0.5 ppm	0-30,000 ppm
Phycocyanin (freshwater cyanobacteria)	1 ppb	0-3,500 ppb
	10 ppb	0-20,000 ppb**
Phycocerythrin (marine cyanobacteria)	150 cells/ml	0-150,000 cells/ml
Rhodamine Dye	0.4 ppb	0-400 ppb
Turbidity	0.5 NTU	0-1,000 NTU

* Ammonium linear range >10 μ M requires minicell adapter and minicells

** PC linear range >3500 ppb requires minicell adapter and minicells

*** Specifications for Osberg Crude Oil

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.

PRODUCT HIGHLIGHTS

- Dual channels allow for quick toggling between two applications
- Dustproof and waterproof
- Five-point plus blank calibration for increased accuracy
- 12 bit resolution
- Operates using AAA batteries for >1,000 measurements per set
- 5 second warm up
- Low maintenance field fluorometer
- Concentration displayed for each measurement

PHYSICAL SPECIFICATIONS

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

ELECTRICAL SPECIFICATIONS

Power: 4 AAA batteries

(standard or rechargeable)

Detector: Photodiode 300nm-1,000nm capable