

Water Quality Meters

In-Situ Aqua TROLL® 500 and Aqua TROLL® 600 Fluorometer Sensors

Detect harmful algal blooms faster and improve sensitivity of tracer studies using sensors with patented integrated optical compensation. This technology prevents instrument drift and provides more stability at lower detection limits for better data overall.

FEATURES

- Use with the Aqua TROLL 500 or Aqua TROLL 600 and VuSitu Mobile App to collect data wirelessly.
- Flexible multiprobes are ideal for spot checks as well as long-term monitoring. Sub-2" anti-fouling wiper, titanium construction and factory-stable sensors ensure reliability even in challenging conditions.
- Integrated Optical Compensation uses a second detector to correct for LED drift, providing more stability and accuracy.
- Separate chlorophyll and blue-green algae sensors excite and detect a smaller range of the visible light spectrum, increasing performance while minimizing interferences from other fluorescence sources.
- Ambient Light Rejection blocks external light from affecting the sensor for more consistent monitoring and calibration across different sites.
- Isolated Optical Frequencies generate a unique digital signature for each light source, so you can use multiple sensors without interference.

APPLICATIONS

- Lake, reservoir and river monitoring
- Coastal and estuarine studies
- Detecting harmful algal blooms
- Tracer studies
- Municipal water monitoring



CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.

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SPECIFICATIONS

General	Fluorometers
Operating Temperature	-5° to 50°C (23° to 122°F)
Storage Temperature	-40 to 65°C (-40 to 149°F)
Wetted Materials	Titanium, Sapphire, Polycarbonate, Nylon, Viton®
Environmental Rating	System: IP-68 when installed into sonde Sensor: IP-67 when not installed
Maximum Pressure Rating	Equivalent to maximum pressure of sonde
Product Compatibility	Aqua TROLL® 500 and Aqua TROLL® 600

Standard Sensors	Linearity	Range	Resolution	Response Time*	Units of Measure
Chlorophyll a	R ² >0.999 for serial dilutions of Chl. a in MeOH across full range	0-100 RFU 0-1,000 µg/L	0.001 RFU 0.01 µg/L Chl. a	T63<1s, T90<1s, T95<1s	RFU, µg/L
Phycocyanin (BGA-PC)	R ² >0.999 for serial dilutions of PC Standard across full range	0-100 RFU 0-1,000 µg/L	0.001 RFU 0.01 µg/L PC	T63<1s, T90<1s, T95<1s	RFU, µg/L
Phycoerythrin (BGA-PE)	R ² >0.999 for serial dilutions of PE Standard across full range	0-100 RFU 0-1,000 µg/L	0.001 RFU 0.01 µg/L PE	T63<1s, T90<1s, T95<1s	RFU, µg/L
Rhodamine WT	R ² >0.999 for serial dilutions of Rhodamine WT across full range	0-100 RFU 0-1,000 µg/L	0.001 RFU 0.01 µg/L	T63<1s, T90<1s, T95<1s	RFU, µg/L

Warranty	2-year warranty on sensor.
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Notes Specifications are subject to change without notice. Apple, iPhone, iPod touch, and iPad are trademarks of Apple Inc. registered in U.S. and other countries. Android is a trademark of Google Inc., Viton® is a registered trademark of DuPont Performance Elastomers L.L.C.
* Response time is typical when moving from air to ambient water temperature.

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