

IN-SITU BOOSTS ACCURACY AND RELIABILITY WITH NEW FLUOROMETER TECHNOLOGY AND VERSATILE MULTIPARAMETER SONDES



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In-Situ Inc. has introduced a new line of fluorometers compatible with the company's popular Aqua TROLL 500 and Aqua TROLL 600 Multiparameter Sondes. The line, which includes Rhodamine WT, Chlorophyll a, Phycocyanin (BGA-PC), and Phycoerythrin (BGA-PE) sensors, is ideal for lake and river monitoring and coastal studies.

The sensors expand In-Situ's multiparameter water quality platform - a complete monitoring solution featuring wireless data collection and remote monitoring capability designed to streamline field work and reduce monitoring costs.

ACCURACY EQUALS EFFICIENCY

In-Situ fluorometers are the only sensors in the multiparameter water quality market with Integrated Optical Compensation for more accurate measurement.

"Our sensors use a second detector to measure the LED drift and automatically compensate each reading," says In-Situ Product Manager Steven Sewell. "This provides greater stability at much lower limits of detection and significantly reduces sensor drift over temperature and time."

To further ensure a high degree of accuracy, the new sensors also feature:

- Ambient Light Rejection - Light from the sensor is separated from other ambient light to maintain accuracy regardless of deployment conditions or location
- Isolated Optical Frequencies - Sensors use separate frequencies, providing a unique digital signature for each light source to minimize interference
- Low Interference Spectral Bands - Separate Chlorophyll a and BGA sensors excite a smaller range of the light spectrum to minimize interference

Designed to support early detection and intervention, these ultra-stable sensors are reliable monitoring tools ideal for tracer studies and detection of harmful algal blooms.

MULTIPARAMETER SONDES OFFER VERSATILITY

The Aqua TROLL 500 and Aqua TROLL 600 can be used either as handhelds or for long-term deployment. An Integrated Toolkit, the VuSitu Mobile App, and Onboard LCD display simplify work in the field, and HydroVu Data Services software enables remote data collection and agile data management.

"For decades In-Situ has been recognized as the leader in water level," says Sewell. "Now we also offer performance excellence in water quality, providing our customers the world over with data they can trust."

For more information about our full line of water quality parameters and the Aqua TROLL 500 and the Aqua TROLL 600, visit us at Arablabs, **Booth #1121** or contact us at www.in-situ.com.

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