

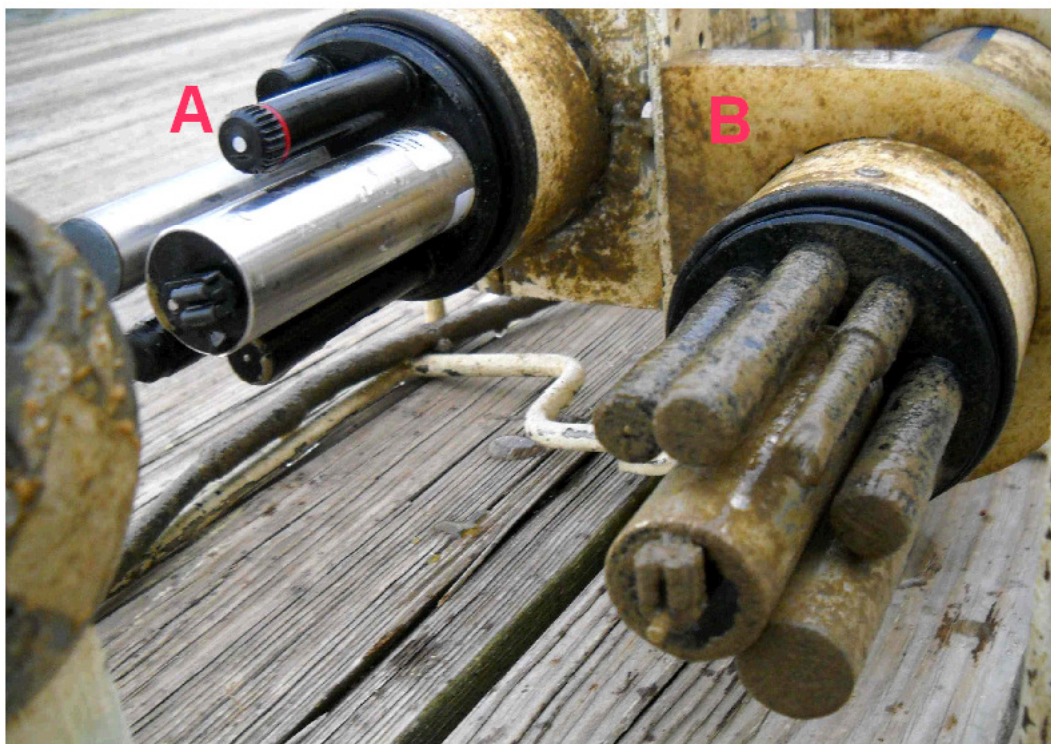


## ProbeGuard

### Advanced Biofouling Protection

ProbeGuard prevents biofouling on sensors by protecting them in a closeable sampling chamber and by bathing them in a biocide solution at programmed intervals

- \* **Reduce servicing costs by 50-75%**
- \* **Improve data quality**
- \* Extend service intervals by 4 times
- \* Telemeter or access instrument data in real-time
- \* Communicate with your instrument through ProbeGuard as needed



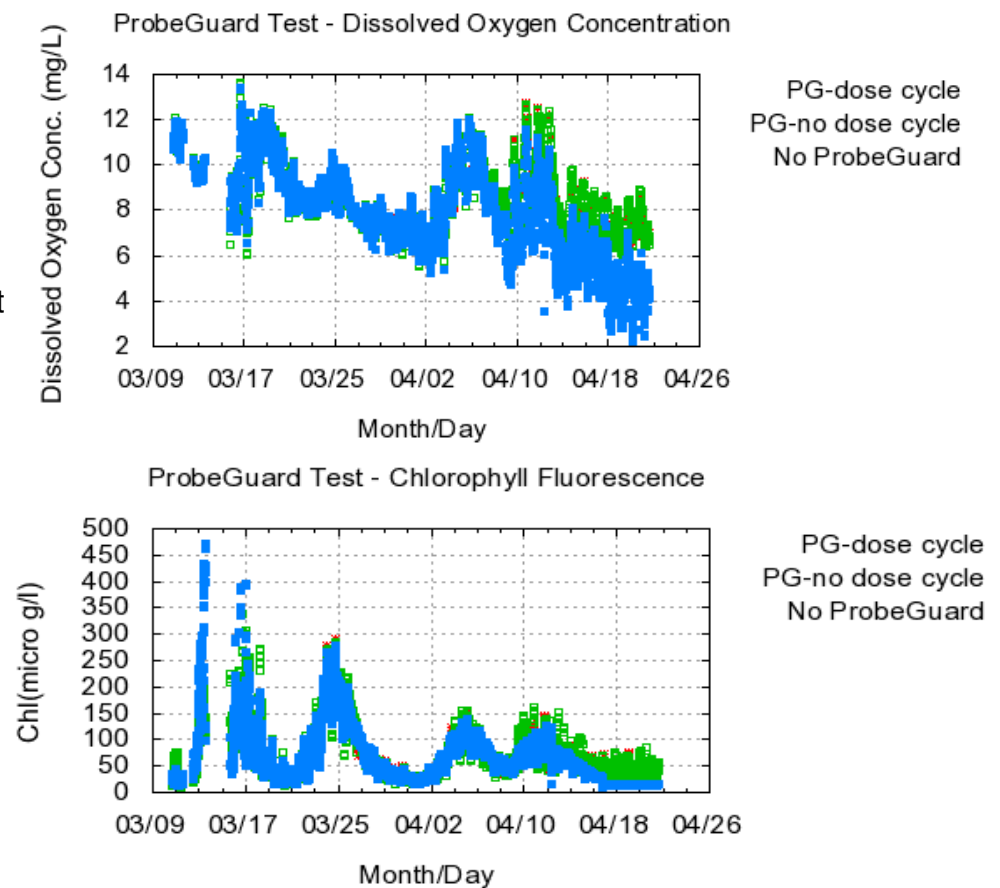
**Fig. 1:** Sensor **A** was protected with ProbeGuard and sensor **B** was fitted with the manufacturer supplied sensor guard. Instruments were deployed in a Chesapeake Bay tributary on March 10, 2010. Photo was taken on April 16, 2010.

## Eliminate data quality questions arising from surrounding growth with ProbeGuard's clean sampling chamber



**Fig. 2:** ProbeGuard sampling chamber after 38 days in Chesapeake Bay

**Fig 3:** Dissolved oxygen and chlorophyll fluorescence data from sensors with and without ProbeGuard (A and B in Fig. 1). Note the divergence in the data that begins on 4/7 (oxygen) and 4/9 (fluorescence).



## For more information

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## ProbeGuard

Sensors deployed with (bottom) and without (top)  
ProbeGuard at the conclusion of the March 10 – May 14 2010  
Deployment in Chesapeake Bay



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