Biofoul Screen

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Model 3001

When a Solinst datalogger is deployed for extended periods, especially in coastal and saltwater environments, there is the risk of biofouling. Biofouling on the pressure sensor or conductivity cell can compromise the reliability of the readings.

Solinst dataloggers can be cleaned by soaking for a short time in a very weak acid solution, but this can be time consuming, increasing maintenance costs and trips to the field.

The Model 3001 Biofoul Screen is an affordable option to lengthen the time a Levelogger 6, Levelogger 6 Junior, Levelogger 6 LTC, or LevelVent 6 can be deployed before maintenance is required.

Using the natural anti-fouling characteristics of copper, the Biofoul Screen is designed to reduce the unwanted buildup of microorganisms, plants, algae, or organisms such as barnacles and mussels.

The Biofoul Screen consists of a Delrin® sleeve wrapped with copper wire. The Biofoul Screen simply slips onto the sensor end of the datalogger, where it is held in place by compression fit. The screen allows water to freely enter the pressure sensor of any Solinst datalogger, and the conductivity cell of an LTC.

The Biofoul Screen improves the long-term performance of Solinst dataloggers, and helps ensure reliable conductivity and pressure measurements.

Applications

- Surface water monitoring in freshwater or saltwater
- Harbor and tidal fluctuation monitoring
- Monitoring at aquariums and aquaculture operations
- Wastewater monitoring
- Monitoring in oceans, lakes, wetlands or estuaries

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