



Hydro-Wiper

The Hydro-Wiper is an innovative mechanical wiper system, with versions available for a wide variety of underwater instruments. Using a regular gentle brushing action, the Hydro-Wiper keeps the sensing window of the instrument clean from unwanted deposits such as mud and bio-fouling.

The Hydro-Wiper reduces the need for costly site visits to manually clean the instrument, maintaining data quality throughout long deployments, even in the harshest of environments.

Hydro-Wipers are available in two formats, self-contained, or data logger controlled.

Self-Contained Hydro-Wiper

The Self-Contained Hydro-Wiper consists of a wiper unit that is attached to the instrument by a purpose designed clamp.

The wiper unit is connected to a rugged underwater housing that contains the batteries, control electronics, diagnostic LED and wipe interval select switch.

Powered by 6 user replaceable alkaline batteries, the Hydro-Wiper will operate for up to 4 months with a 1-hour wiper interval.



Data Logger Controlled Hydro-Wiper

The Data Logger Controlled Hydro-Wiper consists of a wiper unit that is attached to the instrument by a purpose designed clamp.

The wiper unit is connected to the Hydro-Wiper control module by an electrical cable. The control module is a small rugged wiring panel that connects to a power supply and a data logger. To initiate a wipe, the data logger simply sends a trigger signal to the control module. Synchronising the wipe with measurements from the instrument ensures data quality is consistent throughout the deployment.





Hydro-Wiper models

Hydro-Wipers are available for a wide range of instruments, including:

- Aqualogger 200
- Aqualogger 210
- bbe AlgaeTorch
- bbe FluoroProbe
- Chelsea Trilux
- Chelsea UViLux
- Greenspan Turbidity Sensor
- LiCor Li-192
- OBS3
- OBS3+
- Ponsel Dissolved Oxygen Sensor
- Ponsel Turbidity Sensor
- Seapoint Fluorometer
- Seapoint Turbidity Sensor
- Trios-Ramses
- Turner Cyclops-7
- WET Labs C-Star Transmissometer
- WET Labs Eco Triplet

Hydro-Wiper Features

- Easy to install and simple to use
 - Rugged construction
 - Reduces the need for costly site visits
 - Ultra-low power consumption for long-term deployments
 - Field proven brush design; very tough, yet gentle on the instrument
 - Highly effective in both marine and fresh water environments
 - Microprocessor controlled for intelligent self-monitoring operation
 - Automatic tanglement detection and field proven release strategies
 - Drive shaft slip mechanism prevents damage if the wiper arm is forced
- The self-contained Hydro-Wiper is now available with an extended battery housing option for even longer deployments

