

## Aquasonde

Multiparameter water quality data logging sondes

The AquaSonde brings built in data logging capabilities to our range of reliable multiparameter water quality testing probes.

The AquaSondes are powered by internal lithium batteries to extend the duration of your deployments for as long as 180 days, model and logging rate dependent.

All AquaSondes feature an internal memory that is capable of storing up to 150,000 full data sets, that equates to over 3 years continuous data logging.

These logging devices can be deployed on their own for a discrete deployment or they can be deployed with a vented cable allowing for barometric compensation of measurements, specifically depth and % saturation of dissolved oxygen.

Each AquaSonde is supplied with a QuickDeploy Key, used to initiate the probe's logging regime and SondeLink PC software for complete logger set up, sensor calibration and data collection.

### AquaSonde Quick-Deploy Key



SondeLink PC application



	AQUASONDE-2000	AQUASONDE-5000	AQUASONDE-7000
IP	IP68 (permanent immersion)	IP68 (permanent immersion)	IP68 (permanent immersion)
Depth	Min 75mm. Max 100m*	Min 75mm. Max 100m*	Min 75mm. Max 100m*
Temperature	-5 °C - +70 °C	-5 °C - +70 °C	-5 °C - +70 °C
Dimensions	42 x 515mm	58 x 570mm	77 x 635mm
Weight (Inc Batt)	0.9kg	1.9kg	3.4kg
Batteries **	2x 3.6V Lithium C cells. Life greater than 6 months.	2x 3.6V Lithium D cells. Life greater than 10 months.	2x 3.6V Lithium D cells. Life greater than 9 months.
Memory capacity	150,000 full data sets	150,000 full data sets	150,000 full data sets

\* 100m submersion for profiling, 30m submersion suitable for permanent deployment.

\*\* Battery life estimated at 20°C with a logging rate of 15 minutes and a cleaning rate (AS-7000 only) of 12 hours, may vary with electrode options.

## Logging/Event/Cleaning Rates

Programmable. Fastest logging rate 0.5Hz. Slowest logging rate 120 hours.

Event testing and logging on any single parameter programmable between 1 minute and 99 hours.

Programmable cleaning rate (AS-7000 only)

## PC Application

SondeLink free PC application provides the following features via an integrated USB interface:

- Live data viewing
- Live data logging directly to PC
- Full calibration with calibration report generation
- Retrieval of logged data
- Logged data output to spreadsheet and text files
- Full setup utility
- Site name and GPS geotagging

## Quick Deploy Key

Each AquaSonde is supplied with a Quick Deploy Key. When fitted to the AquaSonde, this unique device performs the following tasks:

- Seals the connector
- Automatically starts the pre-programmed logging regime
- Provides instant visual indication of AquaSonde health, battery and memory condition

This allows all programming of the AquaSonde to be performed at your office using the PC application and the logging regime to be started at the precise time of deployment. It also provides peace of mind that the AquaSonde is operating correctly at the time of deployment.

## Vented Data Cable Option

All models feature an internal barometric pressure sensor that is used when calculating Depth and percentage saturation of Dissolved Oxygen.

If the AquaSonde is to be deployed for more than a day at a time and accurate Depth and %DO values are required, a vented cable is recommended.

For profiling, dip testing or short-term deployment during which time the change in barometric pressure will be negligible, a vented cable is not necessary.

## Vent / Data Hub

This option is a termination device for the vented cable that allows a desiccant bottle to be attached and provides a USB port for data retrieval and a visual indication of AquaSonde health, battery and memory condition.

By attaching a PC running SondeLink to the USB port, direct access can be gained to the AquaSonde allowing live data viewing, live data logging directly to PC, retrieval of logged data and full setup, all whilst the AquaSonde is submerged.

## Bluetooth option

Bluetooth connectivity options for use with mobile apps. Embedded site data and GPS geotagging via the app. **Coming 2019.**