



Sonar Sensor

What is the Sonar Sensor?

An instrument for the measurement & logging of water level using sonar technology where the data is transferred by email to the customer.

What applications are suitable for the Sonar Sensor?

Any groundwater level monitoring projects, for difficult to access monitoring wells and surface water applications with the use of a stilling well (our standard 32/25mm HDPE blind pipe), Depth up to 20 m.

What's different about the Sonar Sensor compared to other water level monitoring instruments?

The Sonar Sensor incorporates telemetry and is a single instrument for the measurement and monitoring of water level data so requires no barometric compensation and has no moving parts down-well as it relies on sonar technology.

How is the Sonar Sensor set-up?

All Sonar Sensors are set up by Van Walt with a roaming Sim card that provides the customer with a fixed recording interval of every 20 minutes with data uploaded once a day. Each unit has a unique identifier and the collected data is filtered, by email to the relevant recipient. We supply each unit with a collar for 32mm (fits our 1" HDPE pipe).

What do I have to do to set up a Sonar Sensor?

Just follow the Quick Start Guide, if required we can provide well material to attach the Sonar Sensor at the top of a monitoring well and for the monitoring well. Set-up needs to be in an area with a mobile phone signal and the unit should not be encased in any solid steel covers.

What well diameters will the Sonar Sensor work with?

We have optimised the Sonar Sensor for wells from 1" to 2". Larger wells can be achieved by running a smaller internal stilling well.

What is the accuracy of the Sonar Sensor?

Units are checked and calibrated before being dispatched to the customer.

What software training do I need to set-up and use a Sonar Sensor?

The software is pre-loaded onto each unit so there is no requirement to download additional software. Data from the Sonar Sensor is sent daily as a .csv file.

How long will the battery last in a Sonar Sensor?

From 12 to 15 months.

Can the Sonar Sensor be used in different sized wells?

We have standardised the Sonar Sensor for a 32 mm well.

What type of well pipe do I need?

Above the water level the Sonar Sensor will only work with non-perforated well pipe. Below the water level perforated well pipe can be used. Ideally the well should be as straight as possible.

Who can I contact for more details on the Sonar Sensor?

Please contact Van Walt:

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