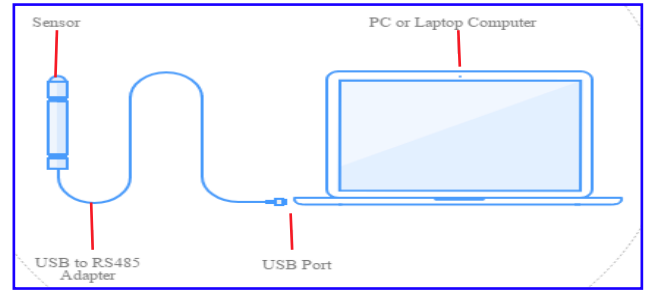


QUICK START GUIDE: Aqua4Plus Software

This guide serves as a quick reference for using Aqua4Plus Software. It is for your convenience and is not intended to replace the information found in the Instruction Manual available to download: <https://www.vanwalt.com/pdf/general/Aqua4Plus-2-0-User-Manual.pdf>

1. Connect your USB Communication Kit/RS485 cable to your PC and sensor as shown. Note: if you have never used one of these before make sure you have internet access before plugging it in for the first time. Drivers will then self-install. If you've previously used this cable no need to update drivers.
2. Install Aqua4Plus 2.0 from USB stick or download from <https://www.vanwalt.com/equipment/levelscout/>. Note: if installing on a PC with an existing version of Aqua4Plus make sure to select an installation directory other than the default to avoid installing 2.0 over an existing version.
3. Open Aqua4Plus 2.0, software will automatically detect your com port settings and scan for sensors.



The screenshot shows the main interface of Aqua4Plus 2.0. The left sidebar contains the 'Main menu' with options for 'Sensor window', 'Report window', 'Help / Contact us', and 'Program setting'. The main area displays 'Seametrics Smart Sensor' information, including status (Active), free memory (49,984), power (Battery), battery charge (73.5%), and Modbus address (7). Below this is a 'Data Files' table with one entry: 'Test File #1' with 1 record, starting on 13-Jan-15 at 21:21:10. A 'Real-time data' tab is also visible. At the top right, there are buttons for 'Calibration set-up', 'Refresh sensor', and 'Set-up logging'. A 'Troubleshooting' button is located at the bottom left of the main area.

Sensor Settings

Sensor settings is where you will change sensor specific items such as sensor name, address and baud rate.

The 'Sensor Settings' dialog box for 'Seametrics Smart Sensor' (BaroSCOUT v2.4) contains the following labeled fields and buttons:

- Set Modbus address & Baud rate:** Modbus Address (7) and Baud Rate (38,400).
- Set sensor name:** The sensor name field at the top.
- Set desired output units for Modbus & SDI2 direct read use:** Direct Read Units for Temperature (°C) and Pressure (psi).
- Set time entered to sensor:** Sensor Time (14-Jan-15 01:02:37) and the 'Set Time' button.
- Battery status:** Battery Information section showing 'Level' at 73.5%, 'Battery Voltage' at 3.53 V, and 'Last Changed' on 08-Jun-17.
- Save settings:** The 'Save' button at the bottom right.
- Enter desired date / time or sync with PC clock:** PC Time (08-Mar-18 12:01:10) and Sensor Time.
- Reset battery calculator after battery changing only:** The 'I have just put in fresh batteries' checkbox.

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Calibration Set-up

Calibration setup is used to configure your sensor to read pressure as different level types, or to calibrate the pressure and/or conductivity channels before deployment.

Adjustments and Calibration for Seametrics Smart Sensor

Choose your setting type

- Depth/Submergence
- Depth-to-Water
- Elevation
- Staff Gauge

Check measurement units

Pressure: psi, m H2O, Ft H2O

Conductivity: µS/cm, mS/cm

Buttons: Close, Continue

Annotations:

- Depth/submergence 1 or 2 point pressure calibration (includes Conductivity channel for CT2X)
- Configure pressure to read as Depth to Water
- Configure pressure to match a Dip Meter reading
- Configure pressure to read as Groundwater elevation

Set-up Logging Schedule

Set-up logging will help you configure your specific data collection schedule.

Logging Schedule

Seametrics Smart Sensor

Test File #1

Select Template

Interval: 1 | 15 | 30 | Duration: 30 | 2881 records

Start

1% memory used

Annotations:

- Data file name
- Select pre-programmed or custom logging template
- Select logging interval or continuous logging
- Add a logging phase
- Set logging interval & time unit or select continuous rate
- Select duration time OR # of records
- Save current schedule as a template
- Delete selected template
- Sync sensor clock to PC clock
- Jump to calibration set-up
- Activate delayed start
- Set desired logging start time for delayed start logging
- Available memory
- Start logging

Logging active | Logging paused | Logging complete

All Data Files (1)

Name	Records	Date Started	Reports
Test File #1	6	13-Jan-15 21:21:10	[Link]

Delete All

Annotations:

- Pause logging
- Terminate logging
- Download data
- View logging set-up
- Delete all data from sensor
- Link to reports

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Reports

Download files for viewing and/or exporting through Reports.

The screenshot shows the 'All Reports' interface. Callout boxes point to the following features:

- Import .a4d file**: Points to the download icon next to 'All Reports'.
- Search reports by keyword**: Points to the search input field.
- Delete all reports**: Points to the 'Delete All' button.
- Report details, click to open Report view**: Points to the report name '300k test'.
- Export report**: Points to the download icon for the selected report.
- Barometric Compensation Utility**: Points to the circular refresh icon.
- Delete Report**: Points to the delete icon for the selected report.

Group by	Date	Size	Name	Date Modified	Records	Source	Created By
February, 2018			300k test 21-Feb 15:30:09 - 22-Feb 07:40:51	22-Feb 12:02:29	232,971	Downloaded	seanv

Report View

Report view displays the selected data file & associated details.

The screenshot shows the 'Report Details' for 'Test File #2'. Callout boxes point to the following features:

- Date view tab**: Points to the 'Data' tab.
- Information tab contains user notes**: Points to the 'Information' tab.
- View logging schedule**: Points to the 'Schedule' tab.
- Graph zoom slider**: Points to the zoom slider on the graph.
- Export report to .csv or .a4d**: Points to the 'Export' button.
- Delete report**: Points to the 'Delete' button.
- View data as a graph**: Points to the graph view.
- View data statistics**: Points to the statistics summary.
- View full screen graph**: Points to the full screen icon.
- View data as a table**: Points to the table view icon.
- Graphing options, zoom, print, export image**: Points to the graphing toolbar.
- Close report view**: Points to the 'Close' button.

Report Details: Test File #2
 Status: Completed | Records: 400 | Date Started: 21-Feb-18 15:19:36

Information | Data | Schedule

Graphing options: TDS, Salinity, Pressure, Conductivity, Temperature

For more detailed information on any of the points covered in this Quick Start Guide please refer to the Aqua4Plus Manual found at: <https://www.vanwalt.com/pdf/general/Aqua4Plus-2-0-User-Manual.pdf>