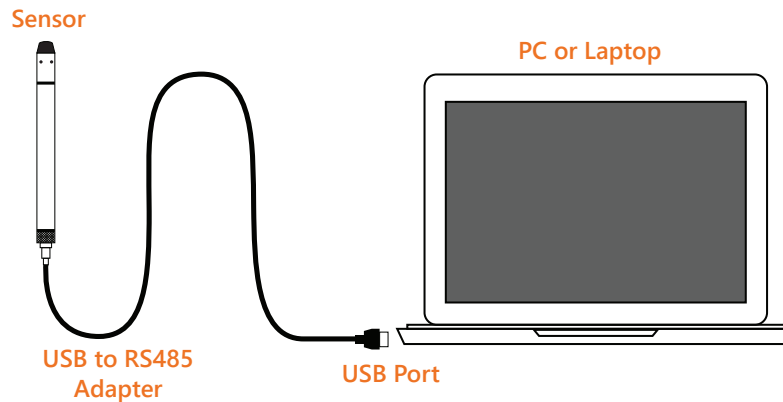
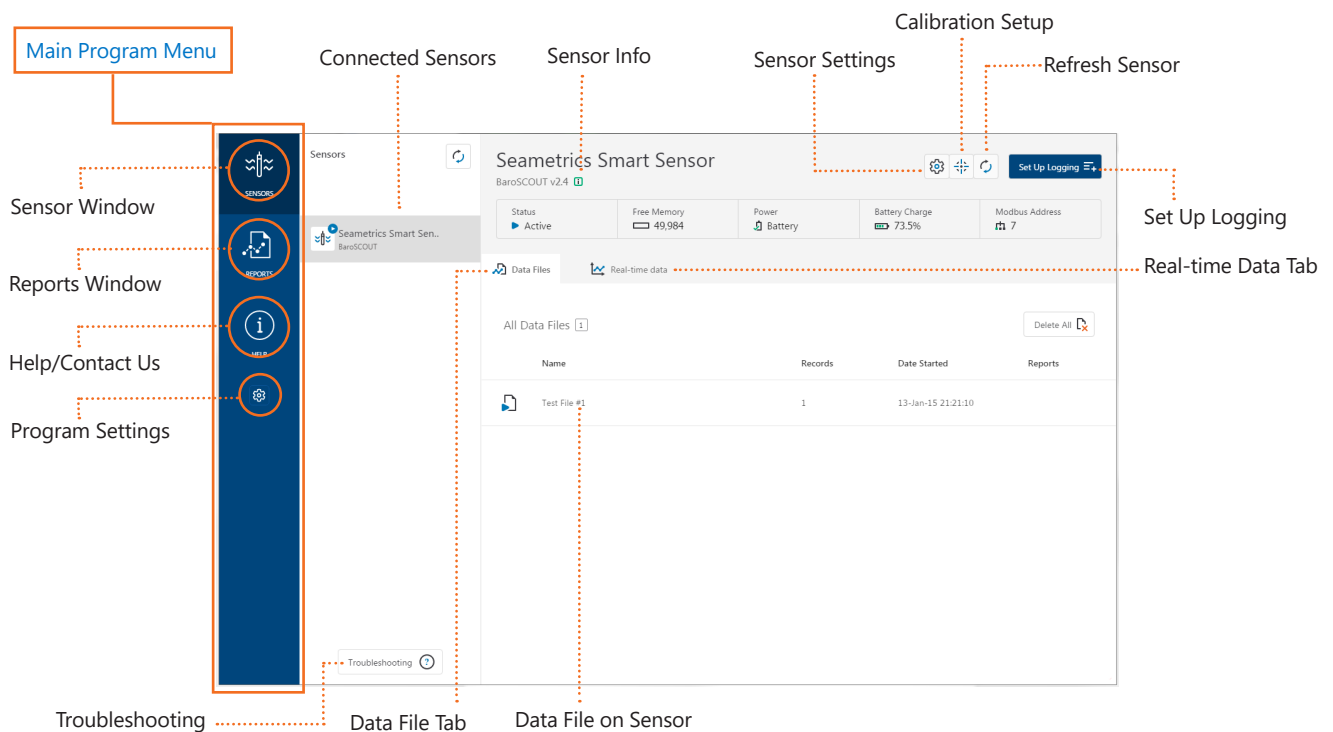


Step 1—Connect your USB/RS485 cable to your PC and sensor as shown below. Note: If you have never used a Seametrics USB/RS485 cable make sure you have internet access before plugging it in for the first time. Drivers will then self install. If you've previously used this cable no need to update drivers.

Step 2—Install Aqua4Plus from USB stick or download from [www.seametrics.com](http://www.seametrics.com) 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 it over an existing version.



Step 3—Open Aqua4Plus, software will automatically detect your com port settings and scan for sensors



The screenshot shows the Aqua4Plus software interface. A vertical blue sidebar on the left contains icons for 'SENSORS', 'REPORTS', 'HELP', and 'SETTINGS'. The main window displays 'Seametrics Smart Sensor' information, including status, memory, power, battery, and Modbus address. A table shows 'All Data Files' with one entry: 'Test File #1' with 1 record, dated 13-Jan-15 21:21:10. Various UI elements are labeled with dashed lines:

- Main Program Menu**: Points to the sidebar.
- Sensor Window**: Points to the 'SENSORS' icon.
- Reports Window**: Points to the 'REPORTS' icon.
- Help/Contact Us**: Points to the 'HELP' icon.
- Program Settings**: Points to the 'SETTINGS' icon.
- Troubleshooting**: Points to a 'Troubleshooting' button at the bottom left.
- Connected Sensors**: Points to the 'Sensors' section header.
- Sensor Info**: Points to the 'Seametrics Smart Sensor' header.
- Sensor Settings**: Points to the gear icon.
- Calibration Setup**: Points to the calibration icon.
- Refresh Sensor**: Points to the refresh icon.
- Set Up Logging**: Points to the 'Set Up Logging' button.
- Real-time Data Tab**: Points to the 'Real-time data' tab.
- Data File Tab**: Points to the 'Data Files' tab.
- Data File on Sensor**: Points to the 'Test File #1' entry in the table.

## Sensor Settings

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

The screenshot shows the 'Sensor Settings' dialog box for a 'Seametrics Smart Sensor'. The sensor is identified as 'BaroSCOUT'. The 'Modbus Address' is set to 7 and the 'Baud Rate' is 38,400. The 'Direct Read Units' are set to °C for Temperature and psi for Pressure. The 'Sensor Clock' shows the PC Time as 08-Mar-18 12:01:10 and the Sensor Time as 14-Jan-15 01:02:37. The 'Battery Information' section shows a battery level of 73.5%, a voltage of 3.53 V, and it was last changed on 08-Jun-17. A 'Save' button is at the bottom.

Annotations in the image include:

- Set Modbus address and Baud rate (pointing to the Modbus Address and Baud Rate fields)
- Set sensor name (pointing to the sensor name field)
- Set desired output units for Modbus & SD12 direct read use (pointing to the Direct Read Units dropdowns)
- Entered desired date/time or sync with PC clock (pointing to the Sensor Time field)
- Set time entered to sensor (pointing to the Set Time button)
- Reset battery calculator after battery changing only (pointing to the Battery Information section)
- Battery status (pointing to the battery level bar)
- Save settings (pointing to the Save button)

## Calibration Setup

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.

The screenshot shows the 'Adjustments and Calibration for Seametrics Smart Sensor' dialog box. It prompts the user to 'Choose your setting type' with four options: Depth/Submergence, Depth-to-Water, Elevation, and Staff Gauge. Below this, there are radio buttons to 'Check measurement units' for Pressure (psi, m H2O, Ft H2O) and Conductivity (µS/cm, mS/cm). 'Close' and 'Continue' buttons are at the bottom.

Annotations in the image include:

- Depth/Submergence 1 or 2 point pressure calibration (includes Conductivity channel for CT2X) (pointing to the Depth/Submergence diagram)
- Configure pressure to read as Depth to Water (pointing to the Depth-to-Water diagram)
- Configure pressure to match a staff gauge (pointing to the Staff Gauge diagram)
- Configure pressure to read as Groundwater Elevation (pointing to the Elevation diagram)

For detailed calibration setup instructions see full Aqua4Plus manual

# Set Up Logging Schedule

Set Up Logging will help configure your specific data collection schedule.

The screenshot shows the 'Logging Schedule' configuration window for a 'Seametrics Smart Sensor'. The window includes the following elements and callouts:

- Data File Name:** 'Test File #1'
- Select pre-programmed or custom logging template:** 'Select Template' dropdown menu.
- Select logging interval or continuous logging:** 'Interval' (1) and 'Duration' (30 day) settings.
- Add a logging phase:** 'Add Phase +' button.
- Set logging interval & time unit OR select continuous rate:** '15 minute' and '30 day' options.
- Available memory:** '1% memory used' progress bar.
- Start logging:** 'Start' button.
- Sync sensor clock to PC clock:** 'Sync with PC time' toggle.
- Set desired logging start time for delayed start logging:** 'Delayed Start' field with date '08-Mar-18 10:45:39'.
- Save current schedule as a template:** Checkmark icon.
- Delete selected template:** 'X' icon.
- Jump to Calibration Setup:** 'X' icon in the top right.
- Activate delayed start:** 'Delayed Start' checkbox.
- Set duration time/time units OR #of records:** '2881 records' field.

See full Aqua4Plus manual for detailed logging instructions

— Logging Active — Logging Paused — Logging Complete

The 'All Data Files' table shows the following data:

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

Callouts for actions:

- Pause logging:** [Pause Icon]
- Terminate logging:** [Stop Icon]
- Download data:** [Download Icon]
- View logging setup:** [Settings Icon]
- Link to Reports:** [Report Icon]
- Delete all data from sensor:** 'Delete All' button.

## Reports

Download files for viewing and/or exporting through Reports.

Import .a4d file      Search reports by keyword      Delete all reports

All Reports [Download]

Group by    Date    Size    Name

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

Report details, click to open Report view      Export report      Barometric Compensation Utility      Delete Report

See full Aqua4Plus manual for details on Barometric Compensation and Report exporting

## Report View

Report view displays the selected data file and associated details.

Information tab contains user notes

Report Details

Test File #2

Status: Completed    Records: 400    Date Started: 21-Feb-18 15:19:36

Information    Data    Schedule

Data view tab

View logging schedule

Graph zoom slider

Export report to .csv or .a4d

Delete report

View data as a graph

View data statistics

View full screen graph

View data as a table

Graphing options, zoom, print, export image

Close Report view

174 mg/L    173 mg/L    15 psi    14.9 psi    355 µS/cm    354 µS/cm    353 µS/cm    352 µS/cm    22.1 °C    22 °C

03:20:2 03:20:3 03:20:4 03:20:5 03:21:0 03:21:1 03:21:2 03:21:3 03:21:4 03:21:5 03:22:0 03:22:1

— TDS — Salinity — Pressure — Conductivity — Temperature

For the most recent Aqua4Plus Software instruction manual please visit: [seametrics.com/downloads](http://seametrics.com/downloads).