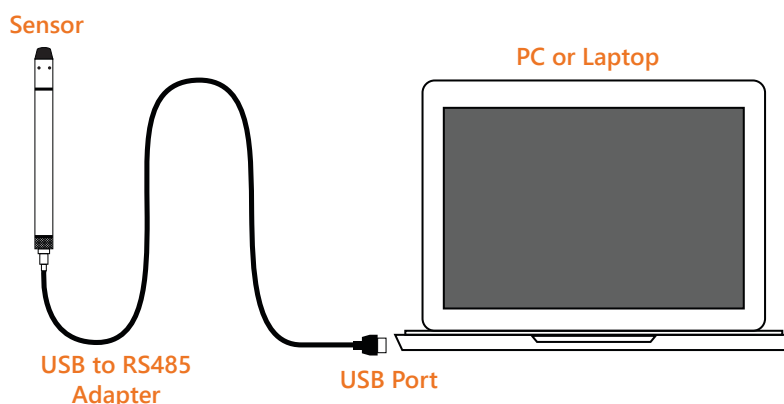
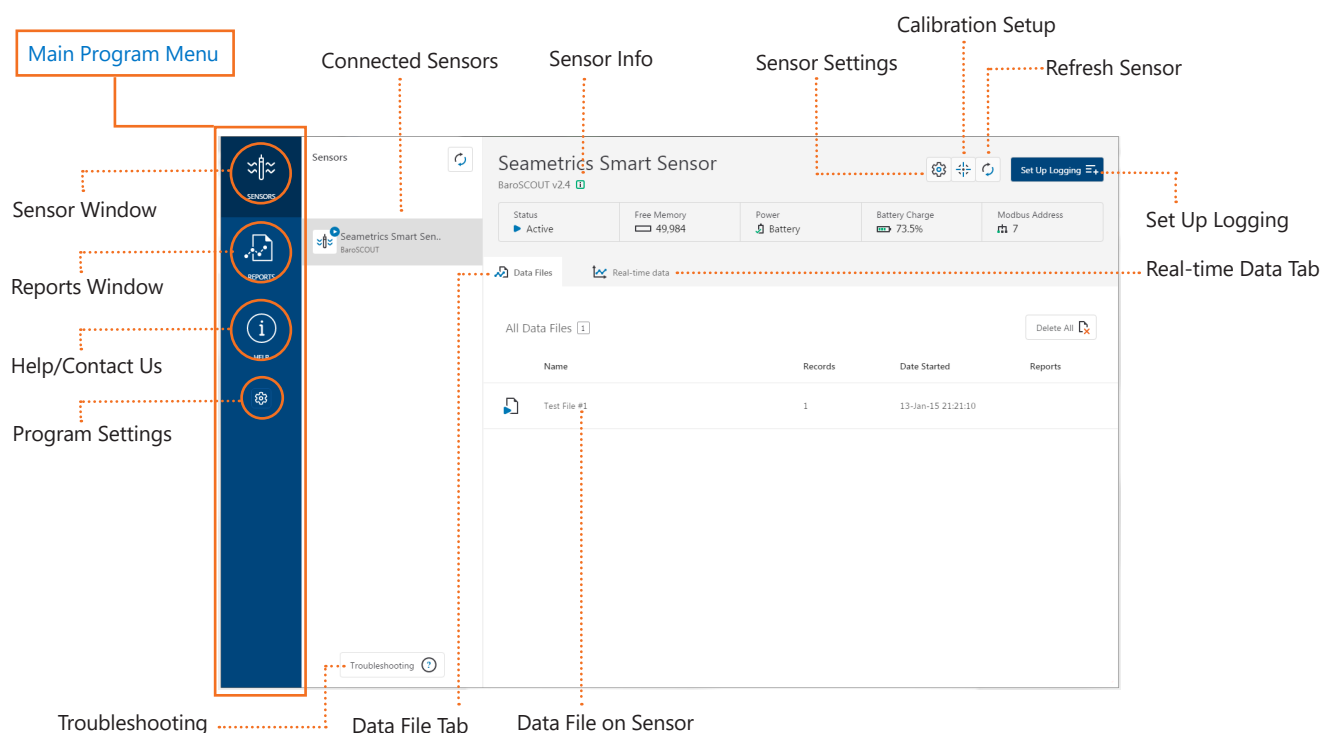


Step 1—Connect your USB/RS485 cable to your PC and sensor as shown below. Note: If you have never used a Seametrics USB/RS485 cable make sure you have internet access before plugging it in for the first time. Drivers will then self install. If you've previously used this cable no need to update drivers.

Step 2—Install Aqua4Plus 2.0 from USB stick or download from 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 2.0 over an existing version.

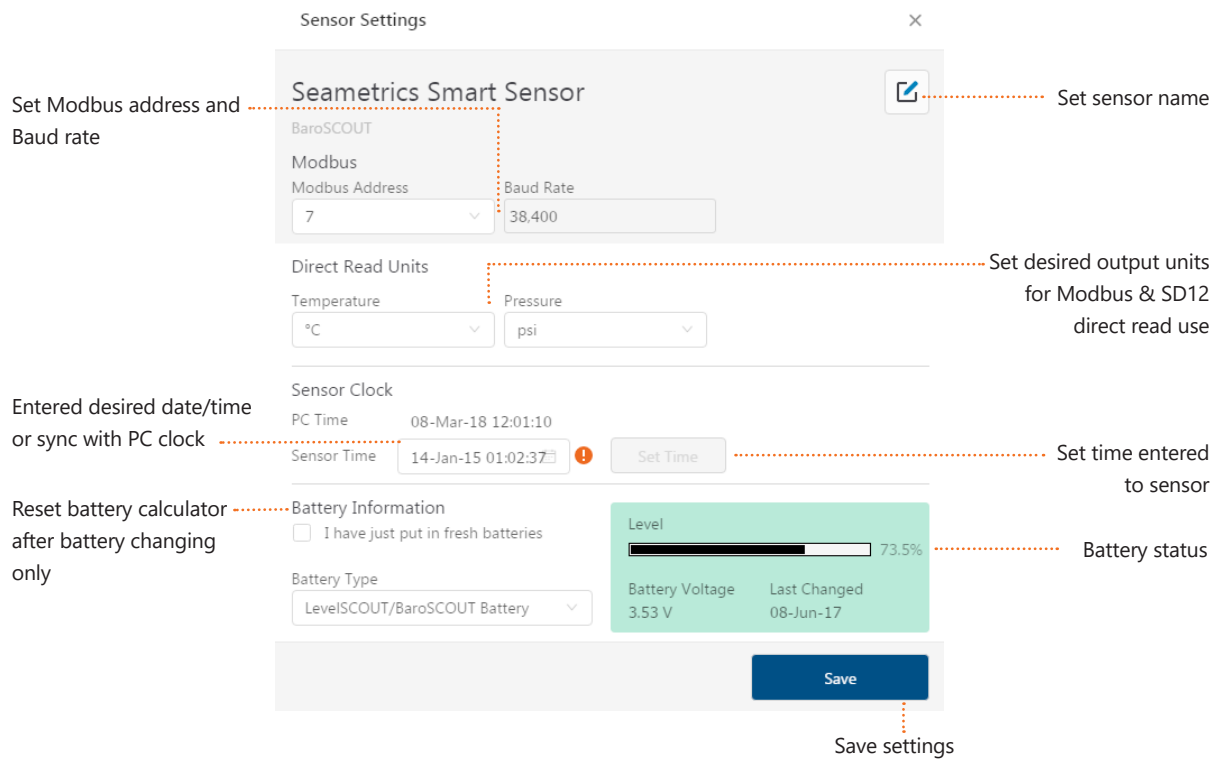


Step 3—Open Aqua4Plus 2.0, software will automatically detect your com port settings and scan for sensors



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 dialog is divided into several sections:

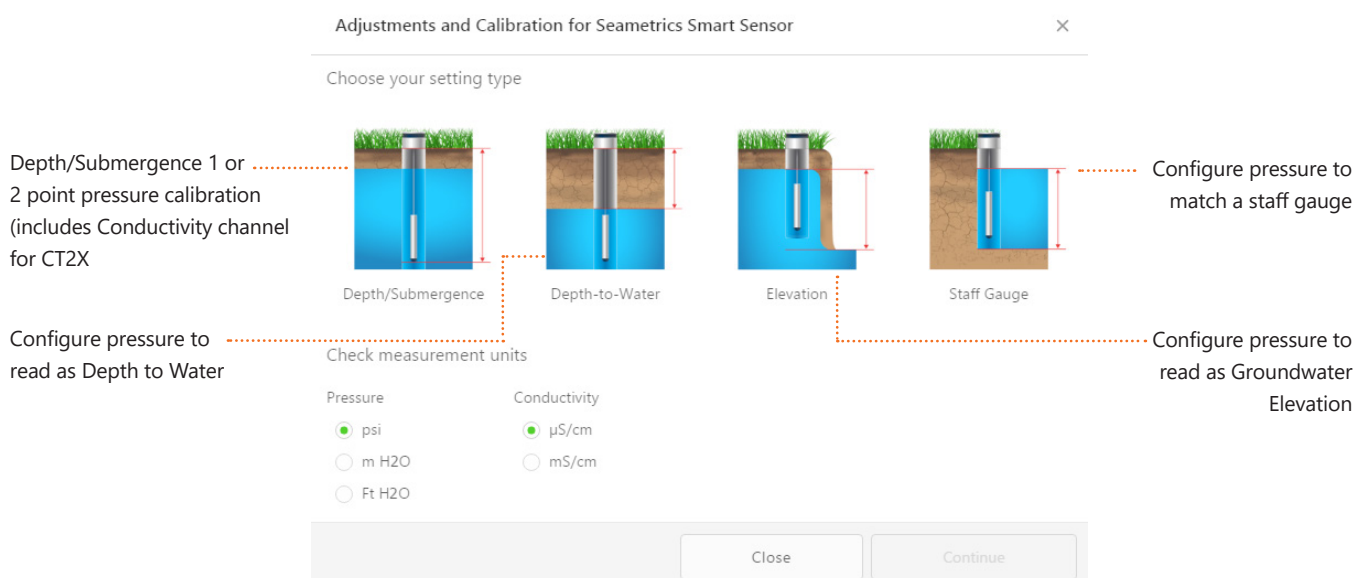
- Sensor Name:** 'Seametrics Smart Sensor' with a pencil icon to edit it.
- Modbus Address and Baud Rate:** 'Modbus Address' is set to 7 and 'Baud Rate' is set to 38,400.
- Direct Read Units:** 'Temperature' is set to °C and 'Pressure' is set to psi.
- Sensor Clock:** 'PC Time' is 08-Mar-18 12:01:10 and 'Sensor Time' is 14-Jan-15 01:02:37. There is a 'Set Time' button.
- Battery Information:** A checkbox 'I have just put in fresh batteries' is unchecked. 'Battery Type' is 'LevelSCOUT/BaroSCOUT Battery'. A battery status bar shows 73.5% level. 'Battery Voltage' is 3.53 V and 'Last Changed' is 08-Jun-17.
- Save:** A blue 'Save' button at the bottom right.

Annotations point to various fields:

- 'Set Modbus address and Baud rate' points to the Modbus Address and Baud Rate fields.
- 'Set sensor name' points to the sensor name field.
- 'Set desired output units for Modbus & SD12 direct read use' points to the Direct Read Units section.
- 'Entered desired date/time or sync with PC clock' points to the Sensor Time field.
- 'Set time entered to sensor' points to the Set Time button.
- 'Battery status' points to the battery status bar.
- 'Save settings' points 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 has a title bar and a close button. The main content area is titled 'Choose your setting type' and shows four diagrams of sensor deployment:

- Depth/Submergence:** A diagram showing a sensor in a body of water. An annotation points to it: 'Depth/Submergence 1 or 2 point pressure calibration (includes Conductivity channel for CT2X)'.
- Depth-to-Water:** A diagram showing a sensor in a body of water. An annotation points to it: 'Configure pressure to read as Depth to Water'.
- Elevation:** A diagram showing a sensor in a body of water. An annotation points to it: 'Configure pressure to match a staff gauge'.
- Staff Gauge:** A diagram showing a sensor in a body of water. An annotation points to it: 'Configure pressure to read as Groundwater Elevation'.

Below the diagrams is a section titled 'Check measurement units' with two columns:

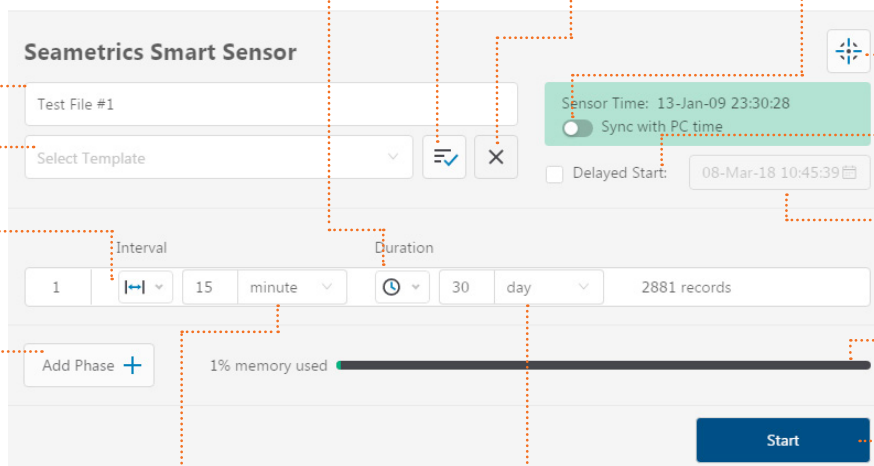
- Pressure:** Radio buttons for 'psi' (selected), 'm H2O', and 'Ft H2O'.
- Conductivity:** Radio buttons for 'µS/cm' (selected) and 'mS/cm'.

At the bottom are 'Close' and 'Continue' buttons.

For detailed calibration setup instructions see full Aqua4Plus 2.0 manual

Set Up Logging Schedule

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



Logging Schedule

Seametrics Smart Sensor

Data File Name: Test File #1

Select pre-programmed or custom logging template: Select Template

Select logging interval or continuous logging: Interval (1, 15, 30, 60, 120, 180, 240, 300, 360, 420, 480, 540, 600, 660, 720, 780, 840, 900, 960, 1020, 1080, 1140, 1200, 1260, 1320, 1380, 1440, 1500, 1560, 1620, 1680, 1740, 1800, 1860, 1920, 1980, 2040, 2100, 2160, 2220, 2280, 2340, 2400, 2460, 2520, 2580, 2640, 2700, 2760, 2820, 2880, 2940, 3000, 3060, 3120, 3180, 3240, 3300, 3360, 3420, 3480, 3540, 3600, 3660, 3720, 3780, 3840, 3900, 3960, 4020, 4080, 4140, 4200, 4260, 4320, 4380, 4440, 4500, 4560, 4620, 4680, 4740, 4800, 4860, 4920, 4980, 5040, 5100, 5160, 5220, 5280, 5340, 5400, 5460, 5520, 5580, 5640, 5700, 5760, 5820, 5880, 5940, 6000, 6060, 6120, 6180, 6240, 6300, 6360, 6420, 6480, 6540, 6600, 6660, 6720, 6780, 6840, 6900, 6960, 7020, 7080, 7140, 7200, 7260, 7320, 7380, 7440, 7500, 7560, 7620, 7680, 7740, 7800, 7860, 7920, 7980, 8040, 8100, 8160, 8220, 8280, 8340, 8400, 8460, 8520, 8580, 8640, 8700, 8760, 8820, 8880, 8940, 9000, 9060, 9120, 9180, 9240, 9300, 9360, 9420, 9480, 9540, 9600, 9660, 9720, 9780, 9840, 9900, 9960, 10000)

Add a logging phase: Add Phase +

Set logging interval & time unit OR select continuous rate: Duration (30, 60, 120, 180, 240, 300, 360, 420, 480, 540, 600, 660, 720, 780, 840, 900, 960, 1020, 1080, 1140, 1200, 1260, 1320, 1380, 1440, 1500, 1560, 1620, 1680, 1740, 1800, 1860, 1920, 1980, 2040, 2100, 2160, 2220, 2280, 2340, 2400, 2460, 2520, 2580, 2640, 2700, 2760, 2820, 2880, 2940, 3000, 3060, 3120, 3180, 3240, 3300, 3360, 3420, 3480, 3540, 3600, 3660, 3720, 3780, 3840, 3900, 3960, 4020, 4080, 4140, 4200, 4260, 4320, 4380, 4440, 4500, 4560, 4620, 4680, 4740, 4800, 4860, 4920, 4980, 5040, 5100, 5160, 5220, 5280, 5340, 5400, 5460, 5520, 5580, 5640, 5700, 5760, 5820, 5880, 5940, 6000, 6060, 6120, 6180, 6240, 6300, 6360, 6420, 6480, 6540, 6600, 6660, 6720, 6780, 6840, 6900, 6960, 7020, 7080, 7140, 7200, 7260, 7320, 7380, 7440, 7500, 7560, 7620, 7680, 7740, 7800, 7860, 7920, 7980, 8040, 8100, 8160, 8220, 8280, 8340, 8400, 8460, 8520, 8580, 8640, 8700, 8760, 8820, 8880, 8940, 9000, 9060, 9120, 9180, 9240, 9300, 9360, 9420, 9480, 9540, 9600, 9660, 9720, 9780, 9840, 9900, 9960, 10000)




1% memory used

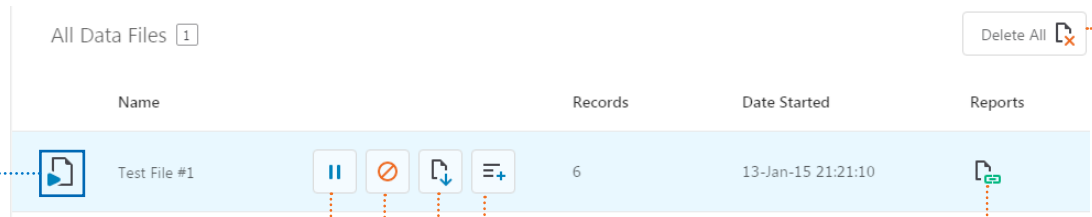
Start

Callouts:


- Select duration time or # of records
- Save current schedule as a template
- Delete selected template
- Sync sensor clock to PC clock
- Jump to Calibration Setup
- Activate delayed start
- Set desired logging start time for delayed start logging
- Available memory
- Start logging
- Set duration time/time units OR #of records

See full Aqua4Plus 2.0 manual for detailed logging instructions

 — Logging Active
  — Logging Paused
  — Logging Complete



All Data Files 1

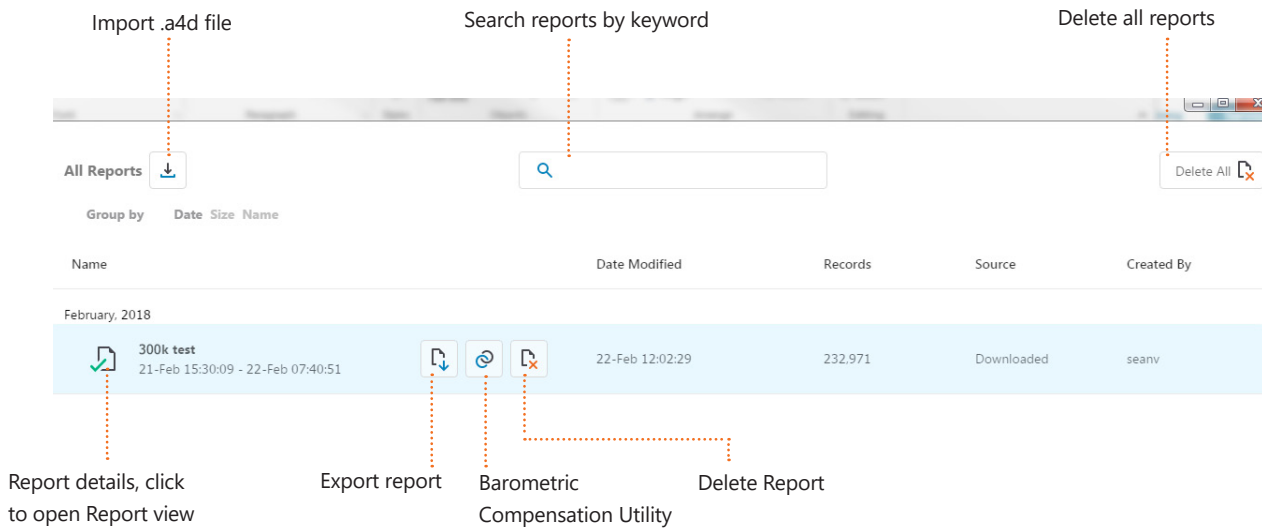
Name	Records	Date Started	Reports
Test File #1	6	13-Jan-15 21:21:10	

Callouts:

- Pause logging
- Terminate logging
- Download data
- View logging setup
- Link to Reports
- Delete all data from sensor

Reports

Download files for viewing and/or exporting through Reports.



Import .a4d file

Search reports by keyword

Delete all reports

All Reports

Group by Date Size Name

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 details, click to open Report view

Export report

Barometric Compensation Utility

Delete Report

See full Aqua4Plus 2.0 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

For the most recent Aqua4Plus 2.0 Software instruction manual please visit: seametrics.com/downloads.