

# Aqua OxyLog

A Very Quick Guide

by  
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## General Recommendations

The logger requires that the oxygen meter is set up and calibrated before use.

All the tricky bits are easier if you place the AquaResp folder on the Desktop of your Win10 machine.

DO NOT put it in the Programs Folder - that is a restricted folder, and it will cause you trouble

The recommended path for the Aquaresp folder is:

**C:\Users\[USERNAME]\Desktop\Aquaresp 3\**

Likewise for Aqua OxyLog

**C:\Users\[USERNAME]\Desktop\AquaOxyLog\**

Disable updates, hibernation and automatic shutdown of Windows

## **Preparation of the oxygen sensor**

The logger requires that the oxygen meter is set up and calibrated before use.

1 Calibrate and setup the oxygen logger via the PyroWorkbench provided by the manufacturer. See PyroScience

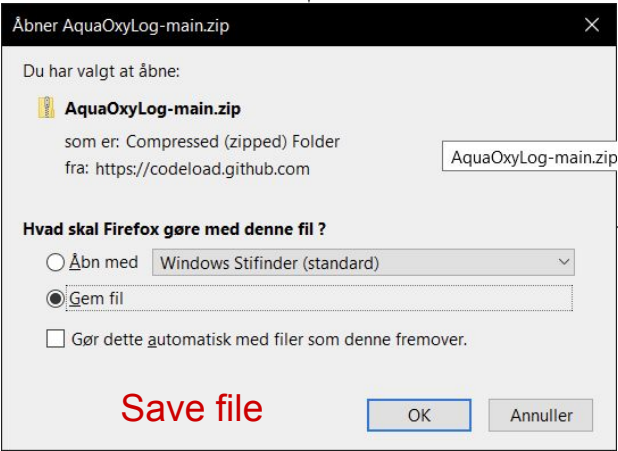
2 Close PyroScience Software. This is necessary as only 1 software connection to the hardware is possible.

Start Aqua OxyLog

# Downloading AquaOxyLog

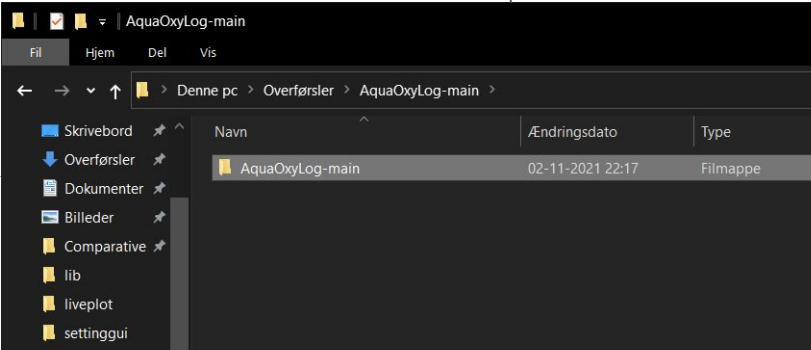
Code, updates and discussion can be found at the github repo [Link to repo](#)

Or you can just download it all here [Direct Download](#)



Wait for  
download

>  
Right click  
file  
>  
Extract all



Move the inner  
AquaOxyLog-main to  
your desktop

SETTINGS 1/2

You can change settings using the provided HTML file. Open it in settinggui or by running Change\_Settings.bat

Number of active channels in WorkBench

Location where you want the total raw data saved. Directory only. The file will have a timestamp as name

Location to the “oxygen” folder in AquaResp.  
  
Preset to “..Desktop\Aquaresp\oxygen\”

← → ↻ file:///C:/Users/COPS/Documents/GitHub/AquaOx

### Create settings file for AquaOxyLog

This form **does not** show the present settings. It can only create new files

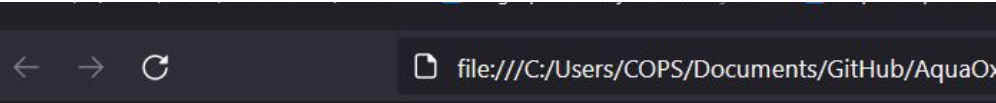
Active channels:

Location datafile:

Location aquaresp:

Device communication port:

Serial Communication Port. See slide COMPORT



## Create settings file for AquaOxyLog

This form **does not** show the present settings. It can only create new files

Active channels:

Location datafile:

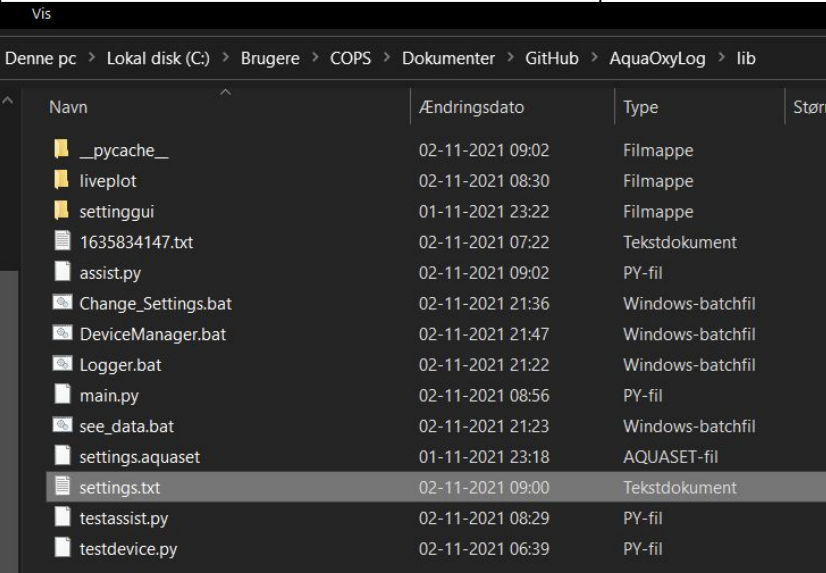
Location aquaresp:

Device communication port:

Now click the button and the browser will “Download” a file

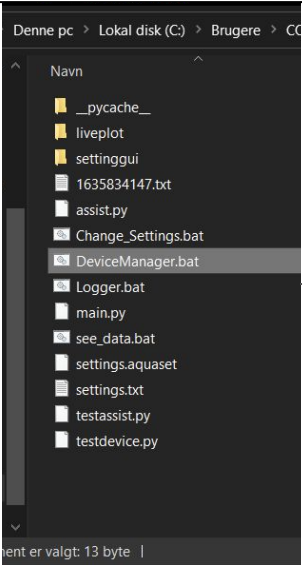
p.s. it is not *downloading* anything per se, it is just a file created by the browser on the local html file.

Copy the downloaded settings.txt file and replace the one in the lib folder



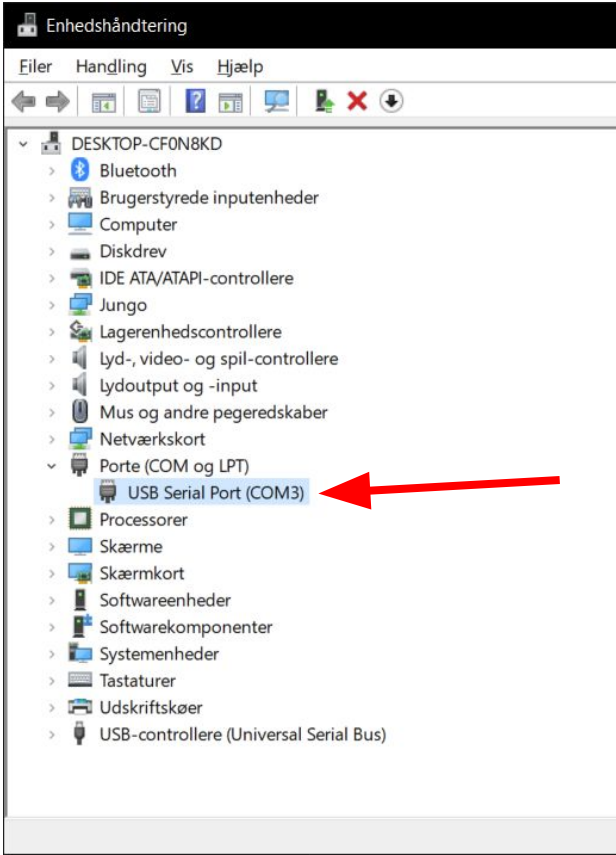
**COMPORT:** How to find the COM-port on Win10

I have made a bat file for opening the Device Manager. Run it.



If the Firesting is installed properly. Then you should be able to see a COM port under Ports

It is the designation in the () that is needed. Here COM3



```
C:\WINDOWS\system32\cmd.exe
Channel: 2 20.896 1635884814.1086404
C:\Users\COPS\Documents\GitHub\AquaResp\Aquaresp 3\oxygen\
Channel: 1 21.019 1635884814.8346972
Channel: 2 20.896 1635884815.4352844
C:\Users\COPS\Documents\GitHub\AquaResp\Aquaresp 3\oxygen\
Channel: 1 21.025 1635884816.1777053
Channel: 2 20.895 1635884816.7777543
C:\Users\COPS\Documents\GitHub\AquaResp\Aquaresp 3\oxygen\
Channel: 1 21.016 1635884817.5237818
Channel: 2 20.896 1635884818.1338677
C:\Users\COPS\Documents\GitHub\AquaResp\Aquaresp 3\oxygen\
Channel: 1 21.015 1635884818.8637536
Channel: 2 20.892 1635884819.4673514
C:\Users\COPS\Documents\GitHub\AquaResp\Aquaresp 3\oxygen\
Channel: 1 21.02 1635884820.195448
Channel: 2 20.891 1635884820.7960243
C:\Users\COPS\Documents\GitHub\AquaResp\Aquaresp 3\oxygen\
Channel: 1 21.014 1635884821.5383208
Channel: 2 20.895 1635884822.1335585
C:\Users\COPS\Documents\GitHub\AquaResp\Aquaresp 3\oxygen\
Channel: 1 21.023 1635884822.9570954
Channel: 2 20.9 1635884823.557949
C:\Users\COPS\Documents\GitHub\AquaResp\Aquaresp 3\oxygen\
Channel: 1 21.029 1635884824.299086
Channel: 2 20.891 1635884824.9067862
C:\Users\COPS\Documents\GitHub\AquaResp\Aquaresp 3\oxygen\
Channel: 1 21.013 1635884825.6522186
Channel: 2 20.89 1635884826.2552246
```

file:///C:/Users/C

**Channel 1**  
Oxygen: 21.0 [%air sat]  
at 2021-11-02 20:23:57  
(yyyy-mm-dd hh:mm:ss)

**Channel 2**  
Oxygen: 20.891 [%air sat]  
at 2021-11-02 20:23:57  
(yyyy-mm-dd hh:mm:ss)

Latest measurement can  
also be seen using the  
provided html file.

Can be started using  
see\_data.bat

Running Logger.bat should open this window. Each line is a measurement