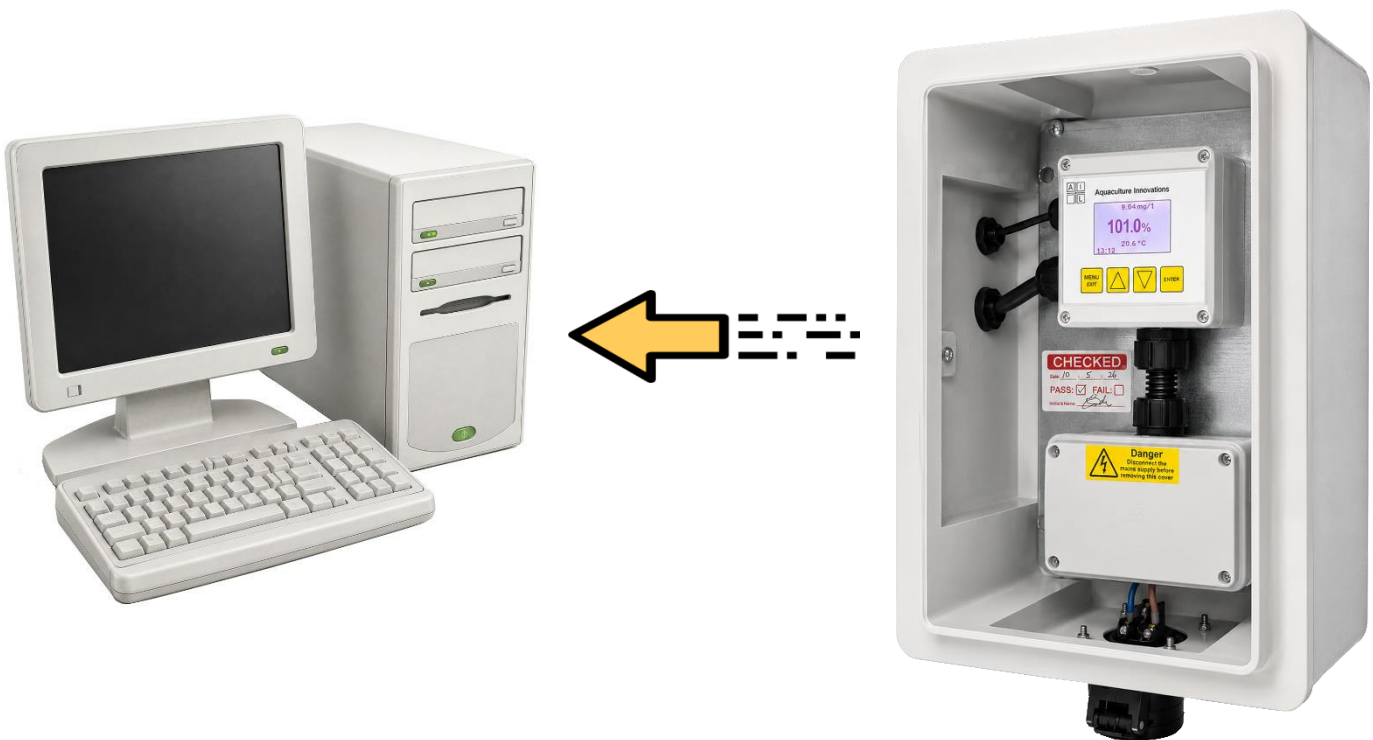




# DO5052

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## DATALOG USER GUIDE



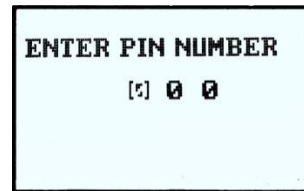
**This document provides a guide to retrieving and managing data from the DO5052 using a PC.**

It covers connecting the device, downloading stored data, and converting files for use in Excel.

# Datalogging User Manual

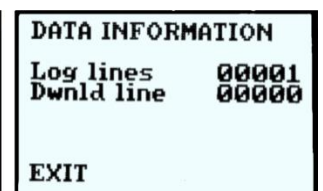
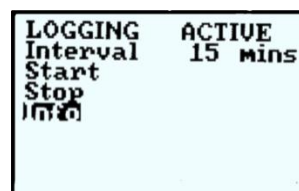
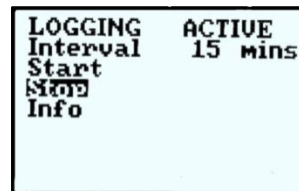
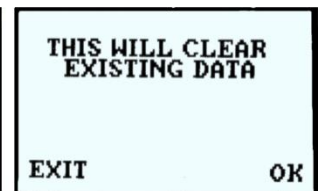
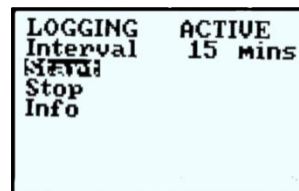
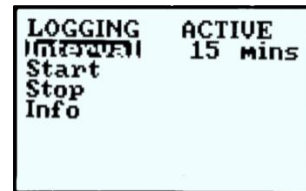
## 1. Data (On Device)

The **Data** menu controls onboard data logging. After successfully entering your PIN you will be met with the data menu options



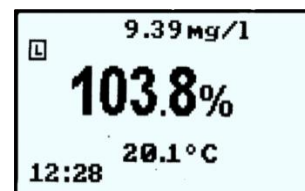
### Menu Options

- **Interval**
  - Sets how often data is recorded, Adjustable in minutes
  - Minimum interval: **15 minutes**
- **Start**
  - Begins data logging
  - **Clears all previously stored data** before starting
- **Stop**
  - Pauses data logging
  - Stored data is retained
- **Info**
  - Displays the number of recorded data logs
  - Indicates how many entries are available for download



### Logging Indicator

- When data logging is active, a **flashing “L”** is displayed on the **Home Screen**
- If the “L” is not flashing, logging is not currently active



## 2. Data Download (PC)

### Step 1: Connect Device

- Connect the device to a PC using the supplied **USB cable**

### Step 2: Identify COM Port

1. Press **WIN + X**
2. Open **Device Manager**
3. Locate and note the assigned **COM port** (e.g. COM3)

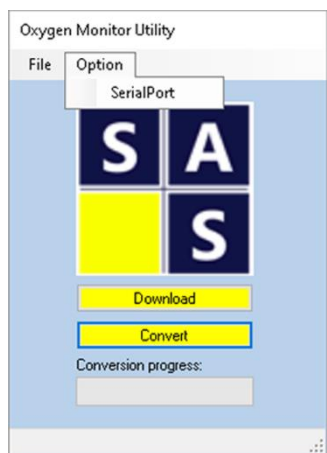


### Step 3: Configure Software (COM Port Selection)

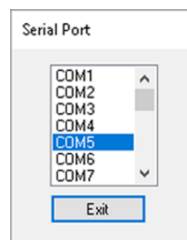
1. Open the **Oxygen Monitor Utility**



2. Select **Options**
3. Select **Serial Port**



4. Choose the relevant **COM** port (e.g. COM3)
5. Exit the settings menu



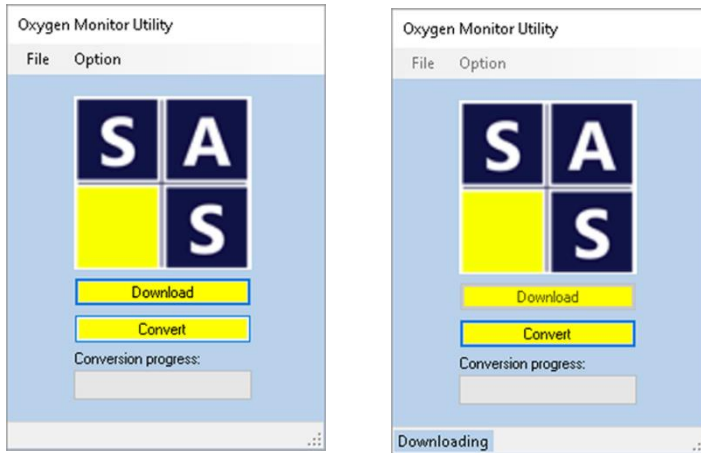
- The software is now ready to download data

**If the correct COM port is not selected, an error message will appear at the bottom of the utility**

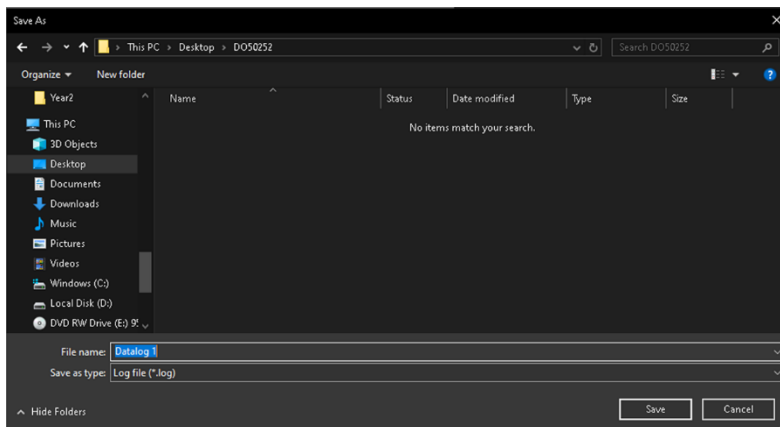


## Step 4: Download Data

### 1. Select **Download**



2. Status will change to **Downloading**
3. Once complete, a prompt will appear
4. Enter a file name and select **Save**

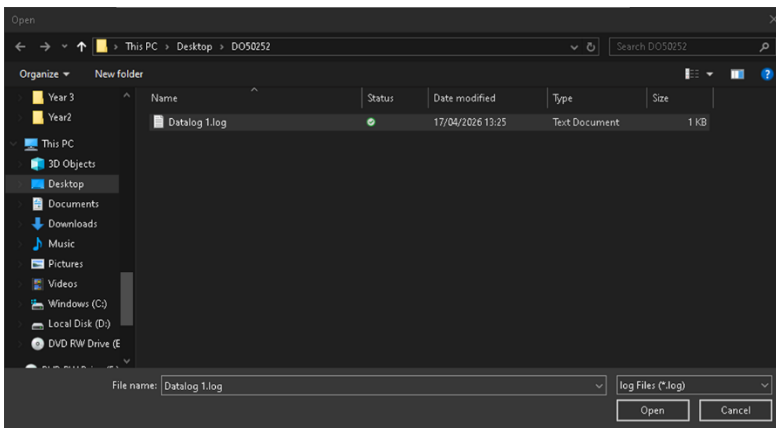


## Step 5: Convert Data for Excel

### 1. Select **Convert**

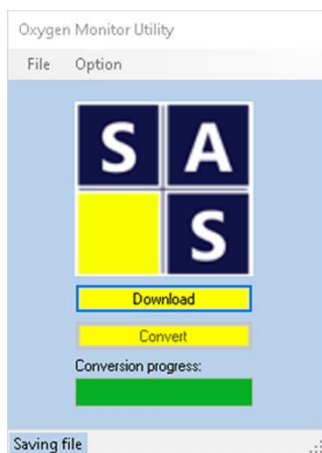


### 2. Choose the saved file



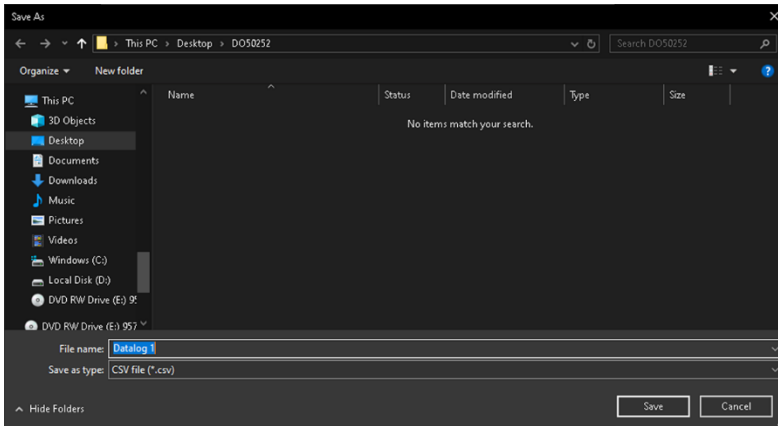
### 3. Select **Open**

### 4. Wait for conversion to complete

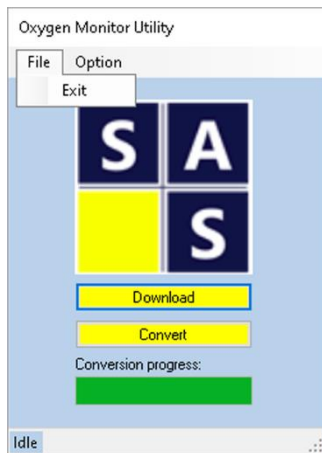


5. Save the file as a **.CSV (Excel format)**

It is recommended to create a folder for the Datalog files.

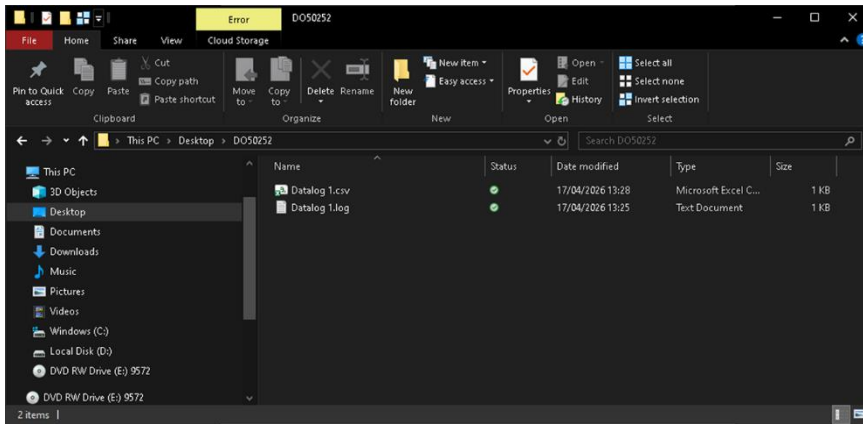


6. You can now safely close the Utility manager via **File** then **Exit**



## Step 6: Viewing Data

After the CSV file has been saved, it can be opened using **Microsoft Excel** or similar software.



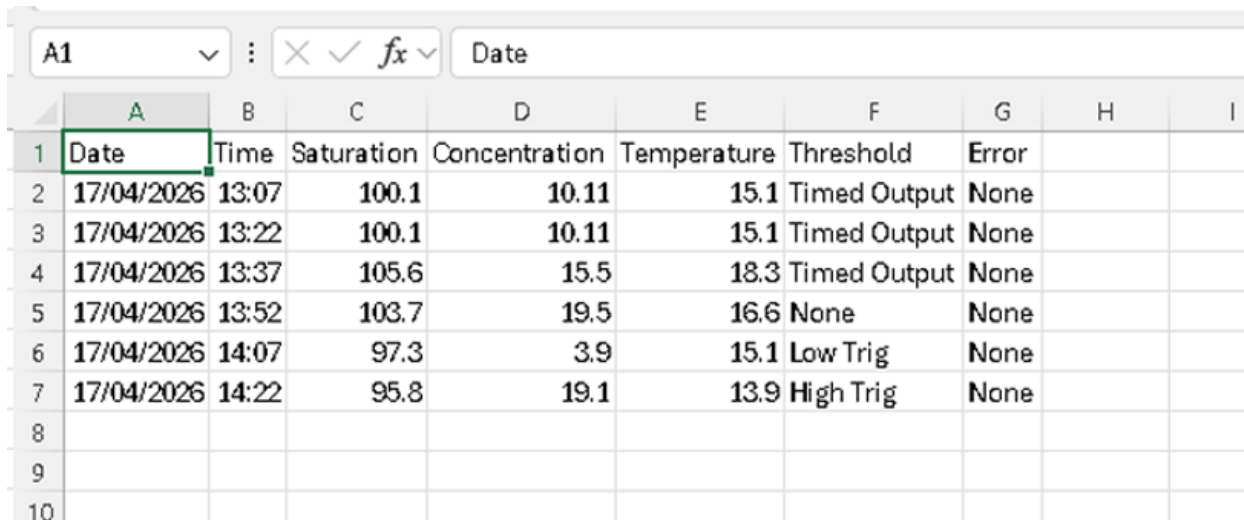
- It is recommended to **adjust column widths** to clearly display the data

	A	B	C	D	E	F	G	H
1	Date	Time	Saturation	Concentra	Temperat	Threshold	Error	
2	#####	13:07	100.1	10.11	15.1	Timed Out	None	
3	#####	13:22	100.1	10.11	15.1	Timed Out	None	
4	#####	13:37	105.6	15.5	18.3	Timed Out	None	
5	#####	13:52	103.7	19.5	16.6	None	None	
6	#####	14:07	97.3	3.9	15.1	Low Trig	None	
7	#####	14:22	95.8	19.1	13.9	High Trig	None	
8								
9								
10								

	A	B	C	D	E	F	G	H	I
1	Date	Time	Saturation	Concentration	Temperature	Threshold	Error		
2	17/04/2026	13:07	100.1	10.11	15.1	Timed Output	None		
3	17/04/2026	13:22	100.1	10.11	15.1	Timed Output	None		
4	17/04/2026	13:37	105.6	15.5	18.3	Timed Output	None		
5	17/04/2026	13:52	103.7	19.5	16.6	None	None		
6	17/04/2026	14:07	97.3	3.9	15.1	Low Trig	None		
7	17/04/2026	14:22	95.8	19.1	13.9	High Trig	None		
8									
9									
10									

The file will include:

- **Date** of each log
- **Time** of each log
- **Oxygen Saturation (%)**
- **Oxygen Concentration (mg/L)**
- **Temperature (°C)**



The screenshot shows an Excel spreadsheet with the following data:

	A	B	C	D	E	F	G	H	I
1	Date	Time	Saturation	Concentration	Temperature	Threshold	Error		
2	17/04/2026	13:07	100.1	10.11	15.1	Timed Output	None		
3	17/04/2026	13:22	100.1	10.11	15.1	Timed Output	None		
4	17/04/2026	13:37	105.6	15.5	18.3	Timed Output	None		
5	17/04/2026	13:52	103.7	19.5	16.6	None	None		
6	17/04/2026	14:07	97.3	3.9	15.1	Low Trig	None		
7	17/04/2026	14:22	95.8	19.1	13.9	High Trig	None		
8									
9									
10									

### Additional Information

- **Threshold**
  - Indicates whether a LOW or HIGH threshold was active
- **Error**
  - Displays any errors recorded during the logging process
  - Should display **None** during normal operation

## Notes (Technical Clarity)

- Starting a new log session will **overwrite previous data**
- Logging frequency directly affects:
  - Total storage capacity
  - Resolution of recorded data