

NIRS Data Display Program for Windows Help

This is a display program for Windows that displays the data measured by Oxy-Pro and saved in CSV file format.

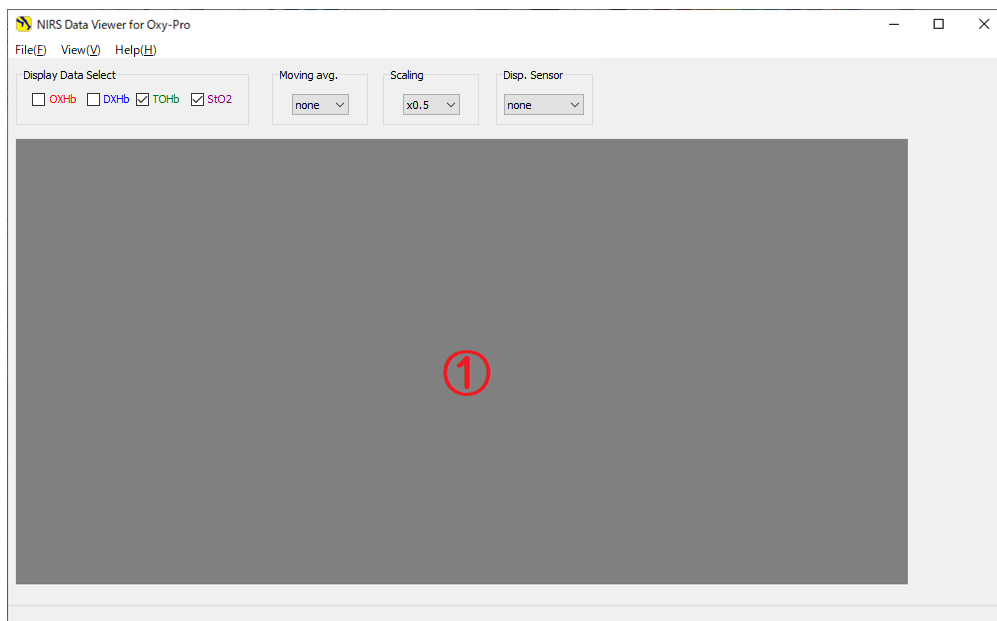
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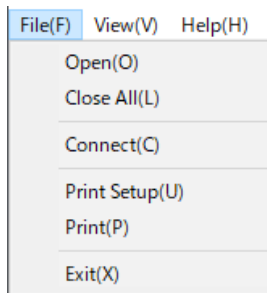
1. Screen layout

① Trend graph display area: The loaded data is displayed as a trend.



2. Menu

2. 1. File



2. 1. 1. Open(O)

Open a CVS file.

2. 1. 2. Close All(L)

Close all trend display screens. To close each window individually, click the close button at the upper right of each window.

2. 1. 3. Connect(C)

Connect to the device to read stored data and set measurement conditions.

2. 1. 4. Printing setup(U)

Set the printer and paper settings.

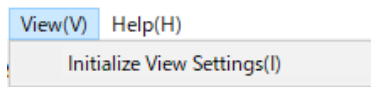
2. 1. 5. Print(P)

Print the screen image.

2. 1. 6. Exit(X)

Exit the program.

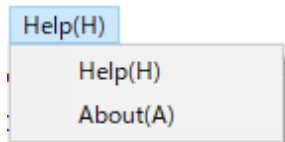
2. 2. Display



2. 2. 1. Initialize View Settings(I)

Drag to undo the scrolling and time-axis-compressed display.

2. 3. Help



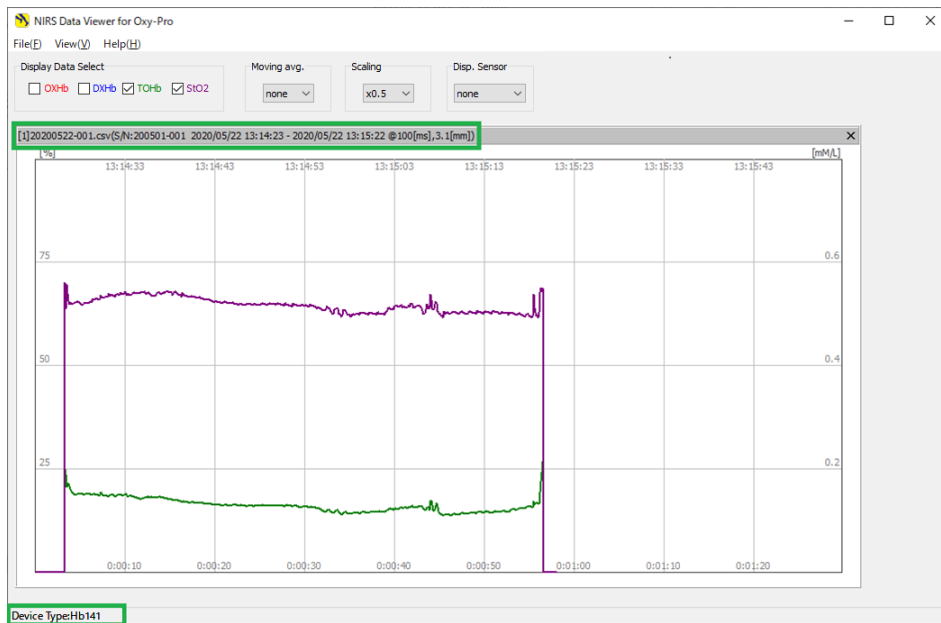
2. 3. 1. Help

Open this document.

2. 3. 3. About(A)

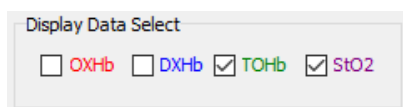
Displays the version information of the program.

3. File loading



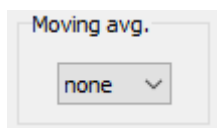
When a CVS file is selected from the menu [File(F)] > [Open(O)], it will be loaded and the trend will be displayed. The upper left corner of the graph and the lower left corner of the screen display the information of the loaded data. The graph in the trend display area shows the time at the top and the elapsed time from the start of measurement at the bottom.

4. Display data selection



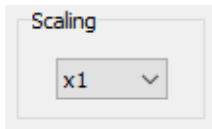
Checked data will be displayed in the trend screen. The text color of the check box corresponds to the color of the trend for that data.

5. Moving average

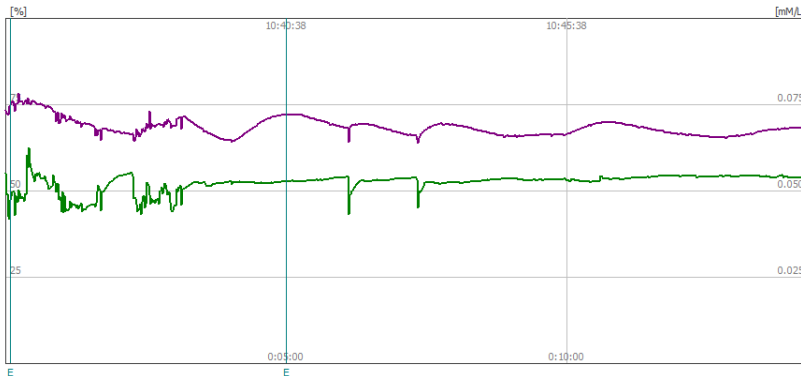


Select the number of moving average processing points (none to 11 points) for the trend display.

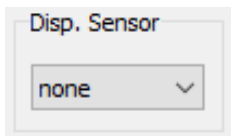
6. Scaling



Switches the display magnification (x0.25 to x16) of the TOHB trend.



7. Sensor display

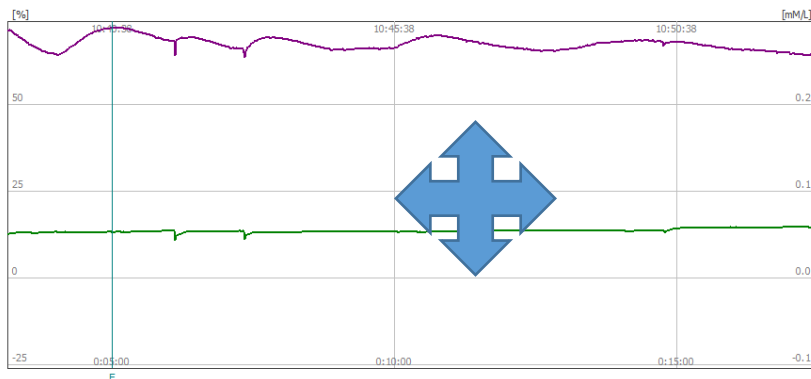


Select the display item for the motion sensor data from None, Accelerometer, or Gyroscope. When the item other than None is selected, the graph display becomes two-stage, and accelerometer or gyroscope is displayed in the lower stage. The accelerometer or gyroscope will be displayed in the lower row.

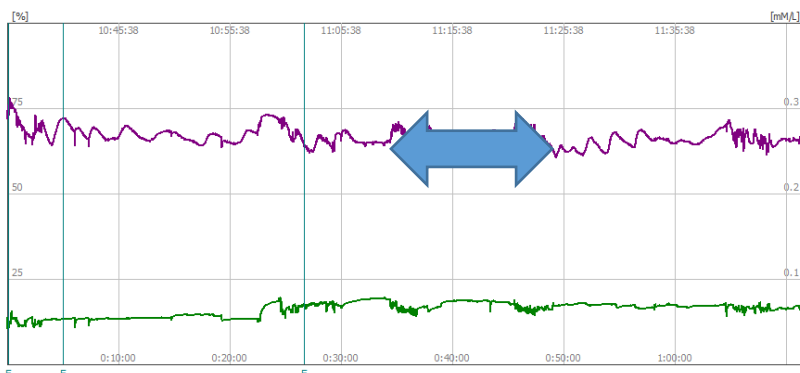


8. Dragging

Dragging (left button) in the processing result display area will move the display area of the graph.



Press the center button (or right button) and drag horizontally to compress and display the time axis.



9. Read-out

Click (left button) on the trend display area to read out the data at that position. However, this is possible only when the time axis is not compressed.



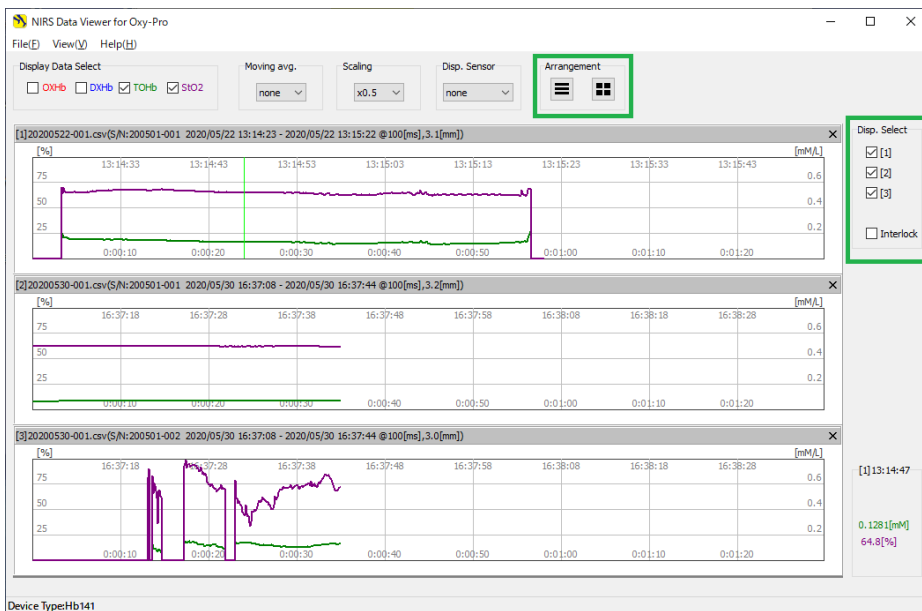
10. Loading multiple files

Up to four files can be loaded. When two or more files are loaded, a display selection will appear on the right side of the screen. Uncheck this box to hide the graph.

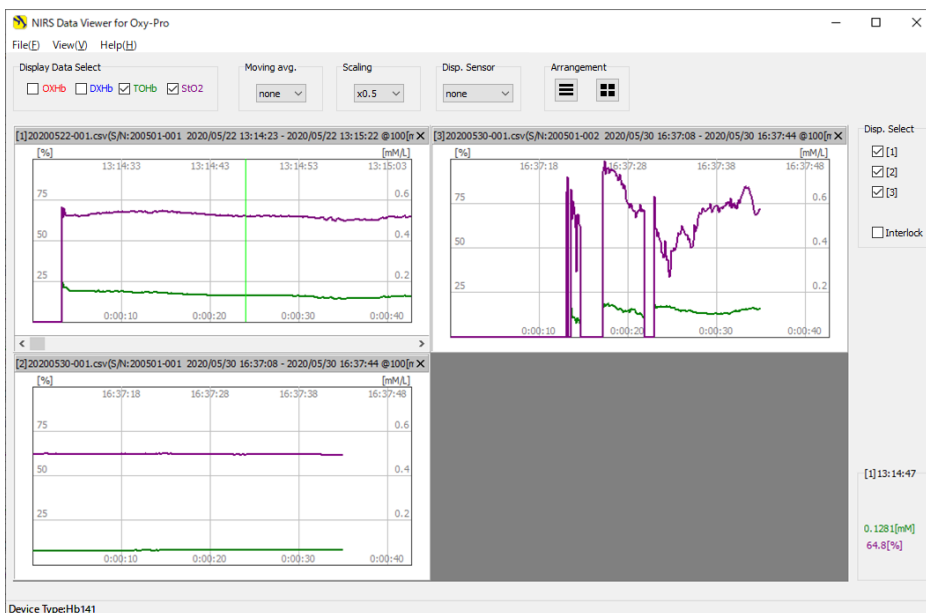
When "Interlock" is checked, scrolling the scroll bar of one graph will scroll all the displayed graphs while maintaining the relative relationship.

Note: A graph without a scroll bar will not move.

When three or more files are loaded, a placement selection will appear on the screen.

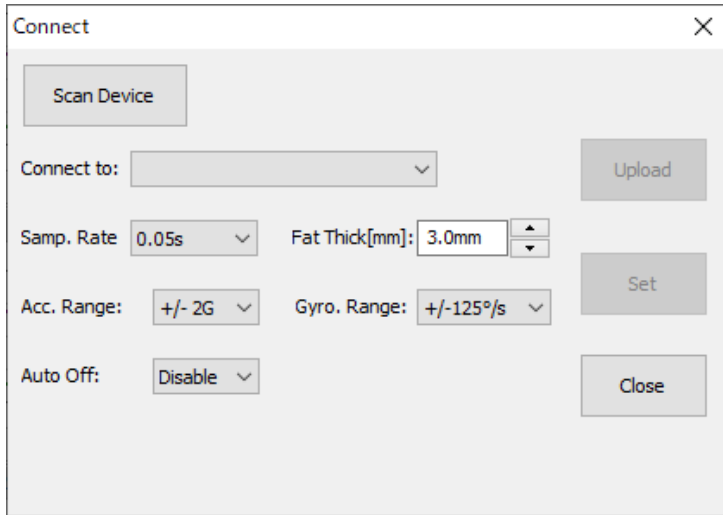


If the placement is changed, the following message will be displayed.



11. Device Connection

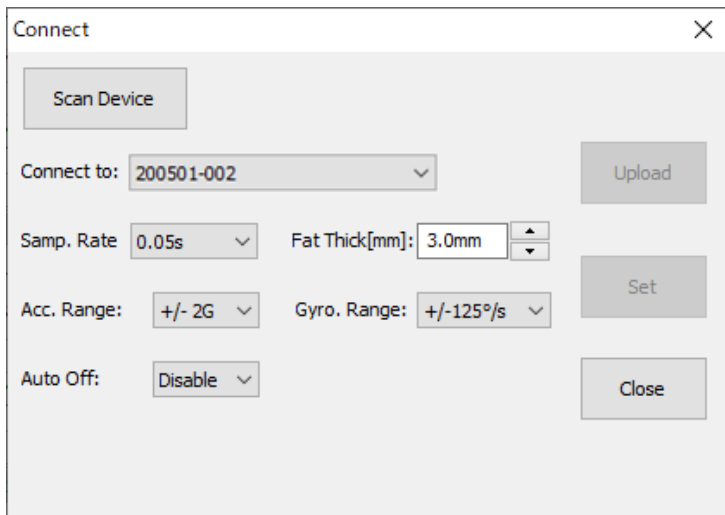
Select "Connect" from the menu, and the following dialog will appear.



The 'Connect' dialog box contains the following elements:

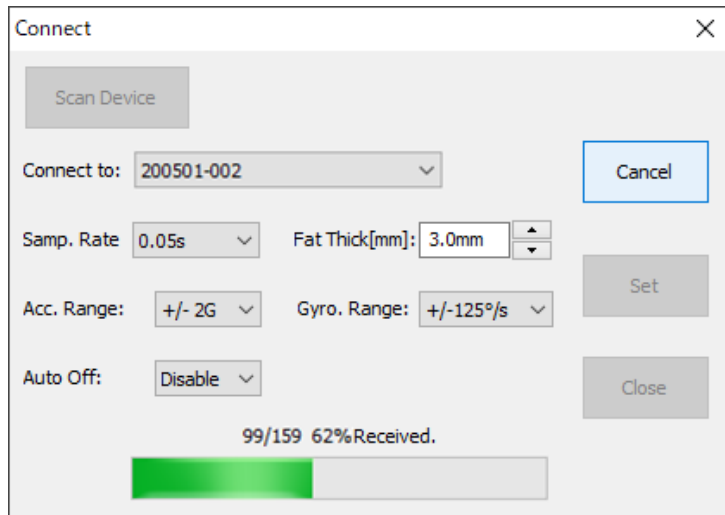
- Scan Device**: A button at the top left.
- Connect to:** A dropdown menu.
- Upload**: A button on the right side.
- Samp. Rate**: A dropdown menu set to 0.05s.
- Fat Thick[mm]**: A numeric input field set to 3.0mm with up/down arrows.
- Set**: A button on the right side.
- Acc. Range**: A dropdown menu set to +/- 2G.
- Gyro. Range**: A dropdown menu set to +/-125°/s.
- Close**: A button at the bottom right.
- Auto Off**: A dropdown menu set to Disable.

When the device is turned on, click the "Scan Device" button. The serial number of the device will be displayed on the screen.



The 'Connect' dialog box is shown with the serial number 200501-002 entered in the 'Connect to' dropdown menu.

In this state, setup for the storage mode measurement conditions and loading of the storage mode data from the connected device are possible. For condition setting, set the sampling rate, fat thickness, accelerometer range, gyroscope(angular rate) range, and auto-off to the desired values, and click the "Set" button. For data loading, click the "Upload" button. When data loading is started, the progress status will be displayed.



Once everything is loaded successfully, it will be saved to a csv file with the file name specified.