For Windows only

Supported products

FG-500 Portable

Recommended hardware

PC with Intel Core 2 Duo or faster processor
and 2 GB or more memory

Supported operating systems

Windows 10 (32-bit and 64-bit edtions)
Windows 11
as of March, 2023

> **Precautions before installation**
> **Install FgDataPicker before connecting the computer by USB.**

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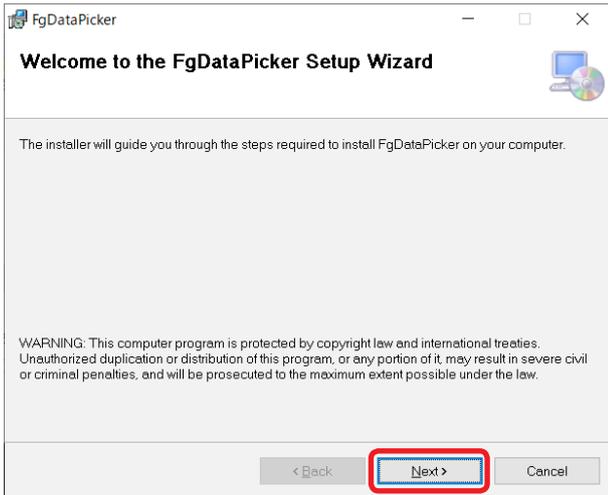4206 Ikonobe-cho, Tsuzuki-ku, Yokohama, 224-0053 Japan

FgDataPicker installation procedures

NOTE

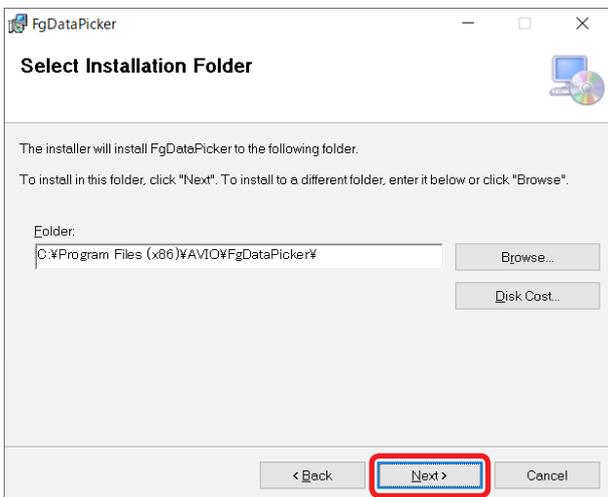The following screen examples are from Windows 10.

1 **Double-click the Fg500Setup.exe file to open the installation wizard.**

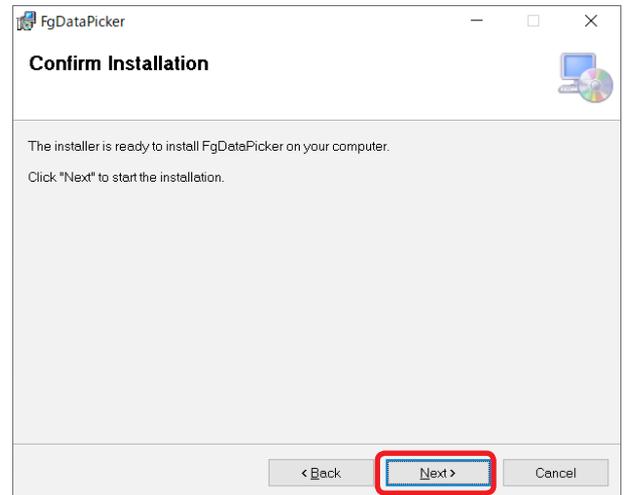**2** **Click "Next".**

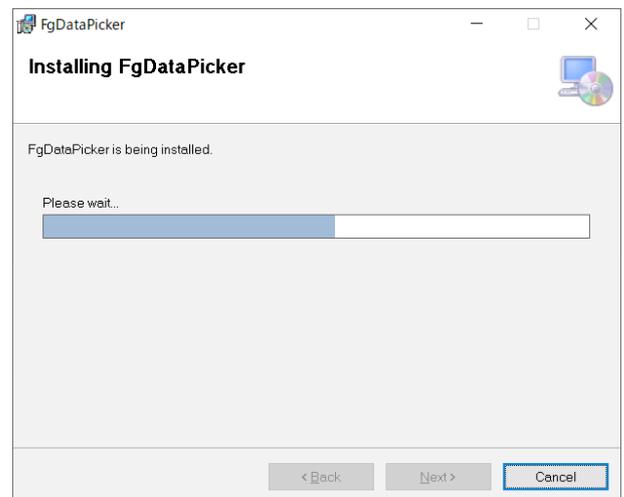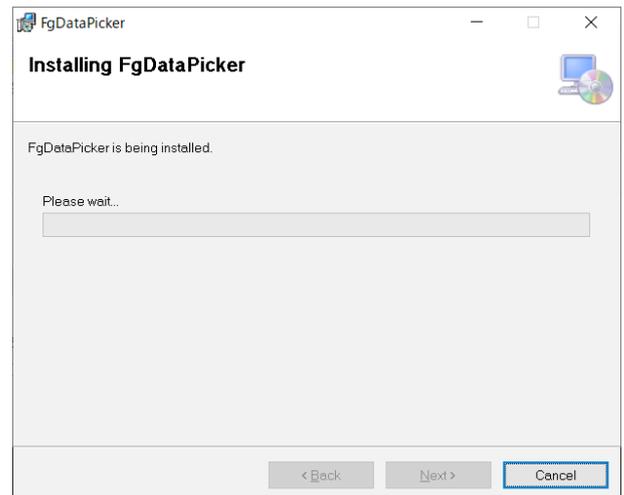**3** **Confirm the installation folder, and click "Next".**

Click "Browse" to change the installation folder.
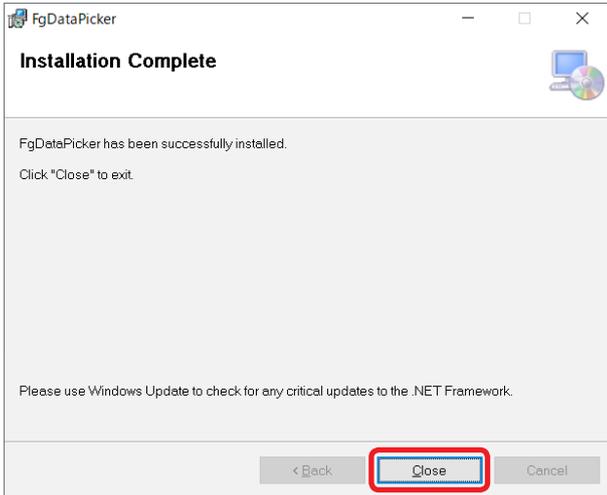

4 **Click "Next".**
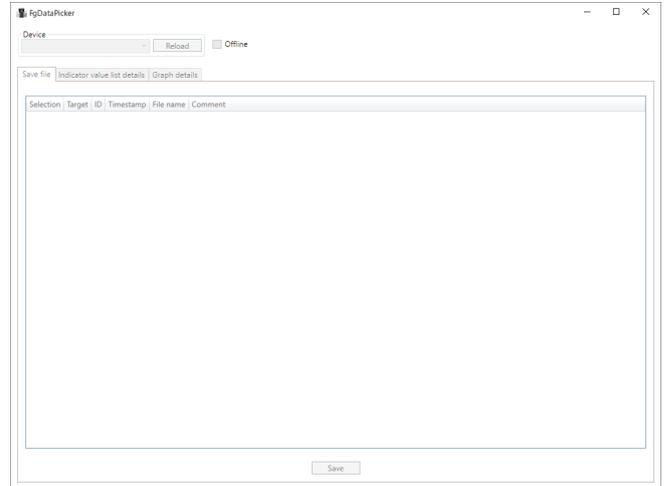

5 **Click "Next".**

6 If a Windows security pop-up message appears during installation, click "Install" or "Continue Anyway".

7 When the installation completion screen appears, click "Close" to finish the installation.
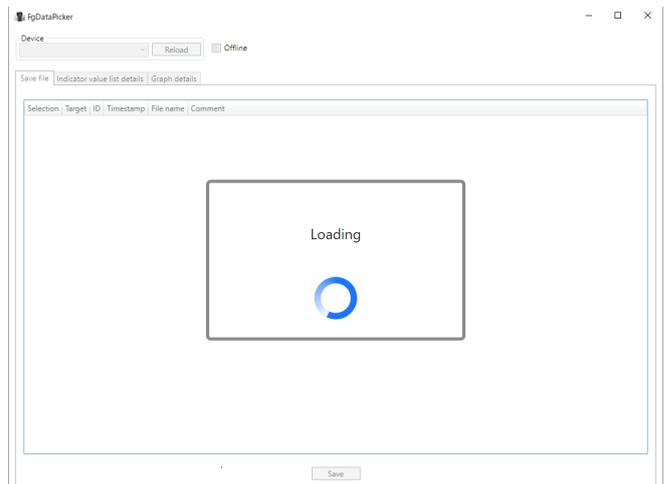

Basic operation

1 Launch FgDataPicker.

● If an FG-500 Portable is already connected, the screen in the next step will open automatically.
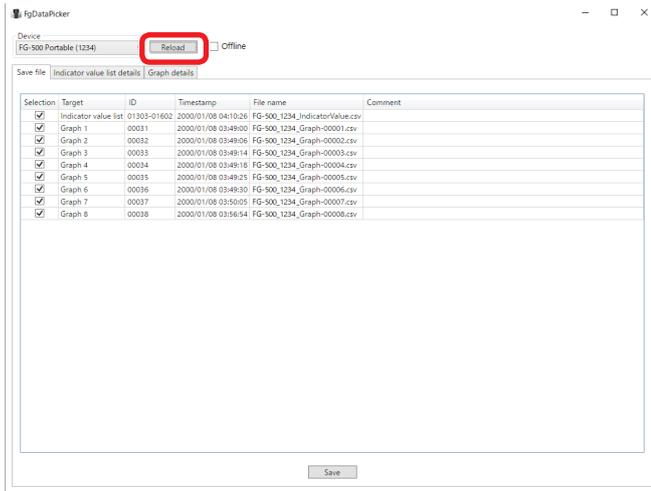
2 Use a USB cable to connect the FG-500 Portable to the computer.

When the computer recognizes the FG-500 Portable, the computer will automatically load the data saved on the FG-500 Portable.

● Do not disconnect the FG-500 Portable while data is being loaded.

When data loading completes, the following screen will open.

- To load the data on the FG-500 Portable again, click the "Reload" button.

- Do not disconnect an FG-500 Portable that has its data shown while the application is running.

Connecting multiple FG-500 Portable units to the same computer

You can distinguish the units by the device numbers that appear in parentheses after the FG-500 Portable device name.
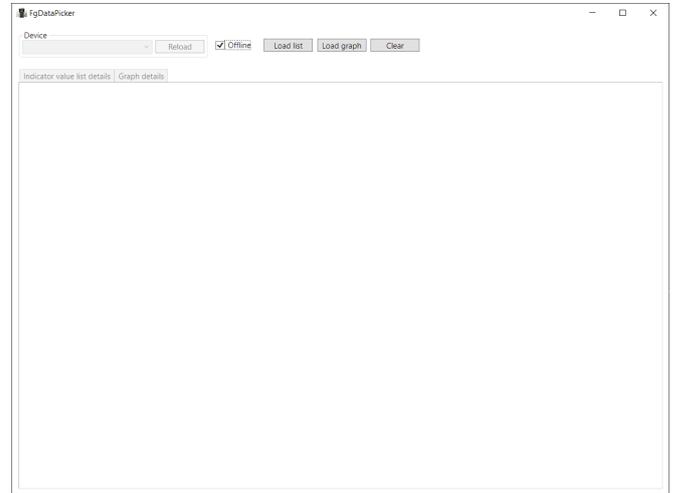
- Set the device numbers in advance on the FG-500 Portable units themselves.

3 **Select the "Save file", "Indicator value list details" or "Graph details" tab to save or show data.**

The following sections explain the use of the tabs.

Loading saved files

By putting a check next to "Offline" at the top of the window, data that has been saved using "Save file" can be loaded and shown.

Loading lists

Press the "Load list" button to open a file loading dialog.
Selecting and opening a list file will open the "Indicator value list details" tab, showing the indicator value list.

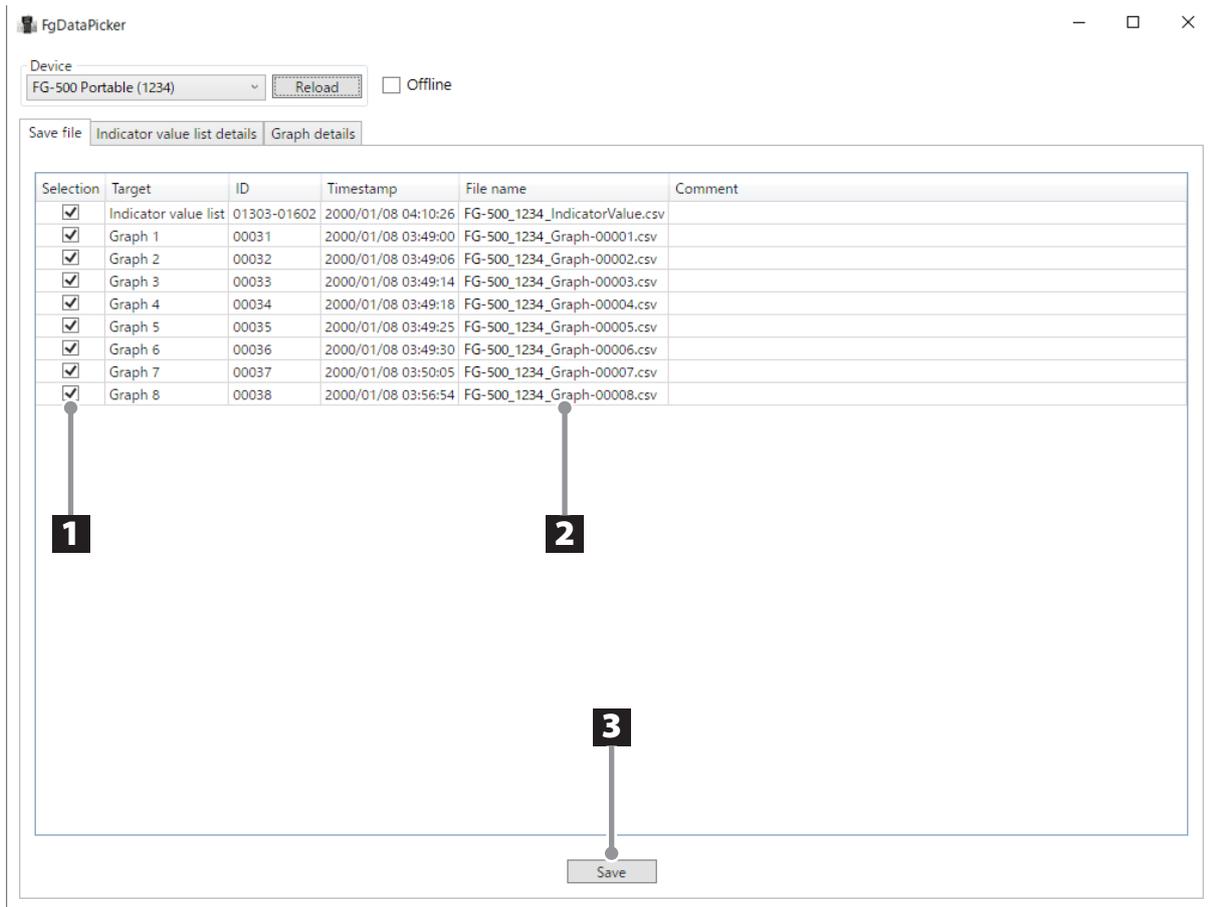- Previously shown data will disappear.

Loading graphs

Press the "Load graph" button to open a file loading dialog.
Selecting and opening a graph data file will open the "Graph details" tab, showing the graph.

- Previously shown data will not disappear. It will continue to be added. Multiple sets of graph data can be loaded (sequentially or simultaneously).

Clearing data

Press the "Clear" button to clear all loaded data.

Saving files

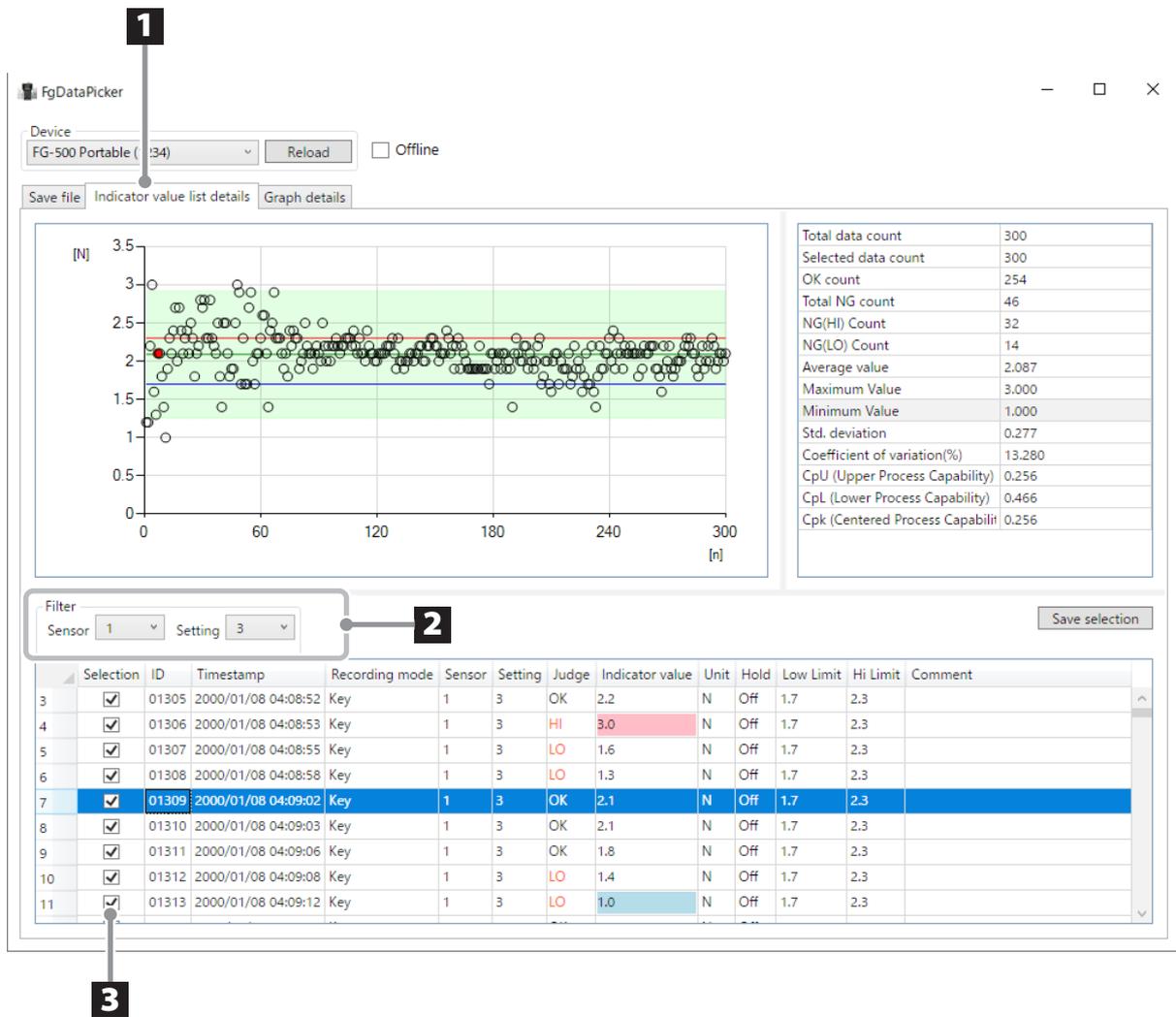The measurement data saved on an FG-500 Portable can be saved on the computer in CSV format.

1 **Put check marks into the Selection column for the data you want to save.**

2 **Change the saved file names as necessary.**

- Default file names are automatically generated.

3 **Click the save button to save the data.**

- UTF-8 with BOM (Byte Order Mark) is used for the character code.
- All the data in the indicator value list will be output as a single file. If you only want to output selected data to a file, see "Indicator value list details view" on page 6.
- A separate file is created for each data graph.

Indicator value list details view

You can check the indicator value list data saved on an FG-500 Portable.

1 **Select the "Indicator value list details" tab.**

2 **Select the sensor and setting number to show in the graph.**

Select "All" to show all data.

3 **Put check marks into the Selection column for the data you want to plot.**

- Click the "Save selection" button at the top right of the table to save only the selected data as CSV data.
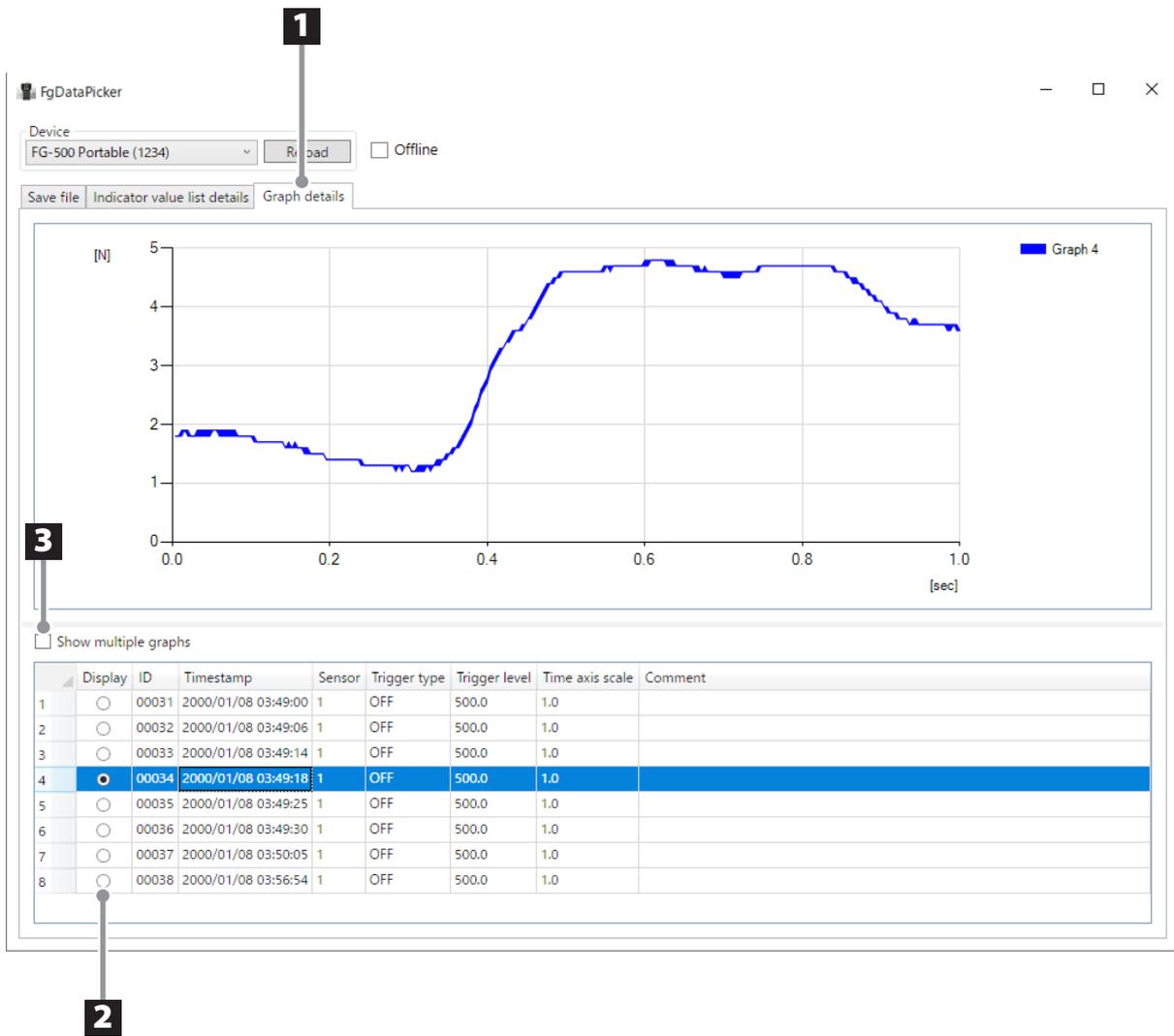
Graph explanation

- The vertical axis is automatically generated.
- The horizontal axis (n) is the selected data number.
- High limit and low limit lines are drawn on the graph. However, if there are different high limits and low limits within the selected data, lines will not be drawn.

- Click on a plot point (O) to highlight the corresponding data in the graph.
- The range that corresponds to 3σ is shown in light green.

Table explanation

- The table can be sorted by each item. Click the item that you want to use for sorting.
- Click a data line in the table to make the corresponding plot point (O) appear red.

Statistical calculations

- The selected data is used for the calculations

Graph details

You can show the data graphs saved on an FG-500 Portable.

1 **Select the "Graph details" tab.**
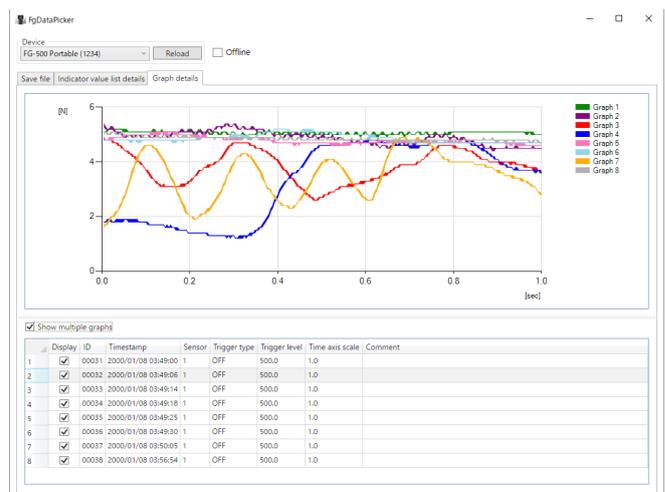
- By default, the first data graph is shown.

2 **Put check marks for the data you want to show.**

The data that has been marked with a check will be shown.

3 **To show multiple graphs, put a check in the "Show multiple graphs" checkbox.**

This will enable the selection of multiple items, and the data graphs that have been marked with a check will be shown layered.

- You cannot put a check mark by data that has a different time axis setting than graphed data that is already marked with a check.

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