

# **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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# FgDataPicker installation procedures

#### NOTE

The following screen examples are from Windows 10.

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

	_	
cker Setup Wizar	d	and a
ps required to install FgData	Picker on you	r computer.
tostad by convict law and i	ntornational tr	astica
this program, or any portion (		
	ps required to install FgDatal	cker Setup Wizard ps required to install FgDataPicker on you tected by copyright law and international tr

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

Click "Browse" to change the installation folder.

률 FgDataPicker	-		×
Select Installation Folder			
The installer will install FgDataPicker to the following folder.			
To install in this folder, click "Next". To install to a different folder, enter it belo	w or cl	ick "Brows	e".
<u>F</u> older:			
C:¥Program Files (x86)¥AVIO¥FgDataPicker¥		Browse	
		<u>D</u> isk Cost.	
< Back		Cano	el

## 4 Click "Next".

🖁 FgDataPicker			-		$\times$
Confirm Installation					
The installer is ready to install FgDataPicker or	your compu	iter.			
Click "Next" to start the installation.					
	< <u>B</u> ack	N	ext >	Са	ncel

# 5 Click "Next".

🛃 FgDataPicker			-		$\times$
Installing FgDataPicker					
FgDataPicker is being installed.					
Please wait					
	- De - I	<u>N</u> ext >	-	Car	
	< <u>B</u> ack	Next >		Lan	Cei
🕼 FgDataPicker			-		×
HgDataPicker			-		×
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Installing FgDataPicker			-		×
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Installing FgDataPicker					×



- **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.

媛 FgDataPicker	_		×
Installation Complete			
FgDataPicker has been successfully installed.			
Click "Close" to exit.			
Please use Windows Update to check for any critical updates to the .NET F	ramewor	k.	
< Back Qiose		Can	cel

### **Basic operation**

### 1 Launch FgDataPicker.

📓 FgDataPicker	-	×
Device Reload Offine		
Save file Indicator value list details Graph details		
Selection Target ID Timestamp File name Comment		
Save		

• 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.

Device				
<ul> <li>Reload</li> </ul>	Offline			
Save file Indicator value list details Graph deta	ils			
Selection Target ID Timestamp File name	Comment			
		Loading		



When data loading completes, the following screen will open.

me <sup>-</sup> fit <sup>®</sup> Indicator value list details Selection Target 0 Terrestamp File name	evice G-500 Por	table (1234)	Rek	ad Offline		
Indicator value taj 0133-01402         20001/10.08 01402 0102, 16:500, 12M, director/value.cv           Graph 1         0001         20001/10.08 01400; 12M, director/value.cv           IGraph 2         00013         20001/10.08 01400; 12M, director/value.cv           IGraph 3         00013         20001/10.08 01400; 12M, director/value.cv           IGraph 4         00014         20001/10.08 01440; 12M, director/value.cv           IGraph 4         00014         20001/10.08 01441; 16:400, 12M, director/value.cv           IGraph 5         00015         20001/10.08 01441; 16:400, 12M, director/value.cv           IGraph 5         00015         20001/10.08 01441; 16:400, 12M, director/value.cv           IGraph 5         00015         20001/10.08 01445; 16:4500, 12M, director/colume.cv           IGraph 5         00015         20001/10.08 01445; 16:4500, 12M, director/colume.cv           IGraph 5         00015         20001/10.08 01445; 16:4500, 12M, director/colume.cv           IGraph 5         00015         20001/10.08 01445; 16:4500, 12M, director/colume.cv	ve file li	ndicator value list de	etails   Graph o	details		
Graph 1         00011         00010100 010400 1F4/000, 124, Graph-00001.csr           Graph 2         00032         000110100 01040406 (F4/0000, 124, Graph-00000.csr           Graph 3         00033         0000110100 01040406 (F4/0000, 124, Graph-00000.csr           Graph 3         00033         0000110100 01040406 (F4/0000, 124, Graph-00000.csr           Graph 4         00043         0000110100 01040418 (F4/0000, 124, Graph-00000.csr           Graph 5         00055         0000110100 0104418 (F4/0000, 124, Graph-00000, csr           Graph 6         00055         0000110100 01040418 (F4/0000, Csr           Graph 5         00055         0000110100 0104018 (F4/0000, Csr           Graph 7         00037         00001100 0104018 (F4/0000, Csr	ielection	Target	ID	Timestamp	File name	Comment
Ør carph 1         00011         200011/00.0184600 [F4/90, 124 Gaph-0000.zx)           Ør carph 2         00033         200011/00.0184600 [F4/90, 124 Gaph-0000.zx)           Ør carph 3         00033         200011/00.0184600 [F4/90, 124 Gaph-0000.zx)           Ør carph 4         00033         200011/00.0184600 [F4/90, 124 Gaph-0000.zx)           Ør carph 4         00043         200011/00.0184600 [F4/90, 124 Gaph-0000.zx)           Ør carph 6         00055         200011/00.0184820 [F4/90, 124 Gaph-0000.xx)           Ør carph 6         00055         200011/00.0184820 [F4/90, 124 Gaph-0000.xx)           Ør carph 6         00055         200011/00.0184820 [F4/90, 124 Gaph-0000.xx)	1	Indicator value list	01303-01602	2000/01/08 04:10:26	EG-500 1234 IndicatorValue.csv	
Graph 2         00013         200010108 014906 F5-900_134 Graph-00002.cv           Graph 3         00033         200010108 014916 F5-900_134 Graph-00002.cv           Graph 4         00043         2000110108 014916 F5-900_134 Graph-00002.cv           Graph 5         00053         2000110108 014916 F5-900_134 Graph-00005.cv           Graph 5         00055         2000110108 014936 F5-900_134 Graph-00005.cv           Graph 5         00055         2000110108 014936 F5-900_134 Graph-00005.cv           Graph 5         00055         2000110108 014936 F5-900_134 Graph-00005.cv           Graph 5         00057         2000110108 014936 F5-900_134 Graph-00005.cv						
Graph 3         00033         200010106 039441 F6-500, 124 Graph-00004.cv           Graph 4         00034         20001106 039441 F6-500, 124 Graph-00004.cv           Graph 5         00035         200011008 039481 F6-500, 124 Graph-00004.cv           Graph 6         00035         200011008 039481 F6-500, 124 Graph-00006.cv           Graph 6         00035         200011008 039481 F6-500, 124 Graph-00006.cv           Graph 7         00037         200011008 039481 F6-500, 124 Graph-00006.cv			00032			
Graph 4         00011 (98 018411 FG 500, 124 Graph-0000.cr.v           Graph 5         00015         00011 (98 018421 FG 500, 124 Graph-0000.cr.v           Graph 6         00055         200011 (98 018421 FG 500, 124 Graph-0000.cr.v           Graph 5         00055         200011 (98 018421 FG 500, 124 Graph-0000.cr.v           Graph 7         00037         200011 (98 018421 FG 500, 124 Graph-0000.cr.v			00033			
Of         Graph 5         200015         2000101/08 00349035         FG-56001243         Graph 00005.crv           Of         Graph 6         200010         2000101/08 0349036         FG-56001243         Graph 00005.crv           Of         Graph 7         00007         2000101/08 0349036         FG-56001243         Graph 000007.zrv						
Graph 7 00037 2000/01/08 03:50:05 FG-500_1234_Graph-00007.csv			00035			
Graph 7 00037 2000/01/08 03:50:05 FG-500_1234_Graph-00007.csv	~	Graph 6	00036	2000/01/08 03:49:30	FG-500 1234 Graph-00006.csv	
Graph 8         00038         2000/01/08 03:56:54         FG-300,1234, Graph-00008.cov	✓	Graph 7	00037			
	<b>v</b>	Graph 8	00038	2000/01/08 03:56:54	FG-500 1234 Graph-00008.csv	

- 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.

EgDataPicker	-	×
Device Reload Coffline Load list Load graph Clear		
Indicator value list details Graph details		

## 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.



			oad Offline		
3-500 Por	table (1234)	<ul> <li>Relo</li> </ul>			
ve file	ndicator value list de	etails Graph c	letails		
Selection	Target	ID	Timestamp	File name	Comment
~	Indicator value list	01303-01602	2000/01/08 04:10:26	FG-500_1234_IndicatorValue.csv	
~	Graph 1	00031		FG-500_1234_Graph-00001.csv	
~	Graph 2	00032		FG-500_1234_Graph-00002.csv	
✓	Graph 3	00033	2000/01/08 03:49:14	FG-500_1234_Graph-00003.csv	
~	Graph 4	00034	2000/01/08 03:49:18	FG-500_1234_Graph-00004.csv	
~	Graph 5	00035	2000/01/08 03:49:25	FG-500_1234_Graph-00005.csv	
$\checkmark$	Graph 6	00036	2000/01/08 03:49:30	FG-500_1234_Graph-00006.csv	
✓	Graph 7	00037	2000/01/08 03:50:05	FG-500_1234_Graph-00007.csv	
$\checkmark$	Graph 8	00038	2000/01/08 03:56:54	FG-500_1234_Graph-00008.csv	
1				2	
1				2	

# **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.



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	Portable (		~ Reloa												
ve file	Indicato	or value	list details Graph det	tails											
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# 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.
- $\bullet\,$  The range that corresponds to  $3\sigma\,$  is shown in light green.

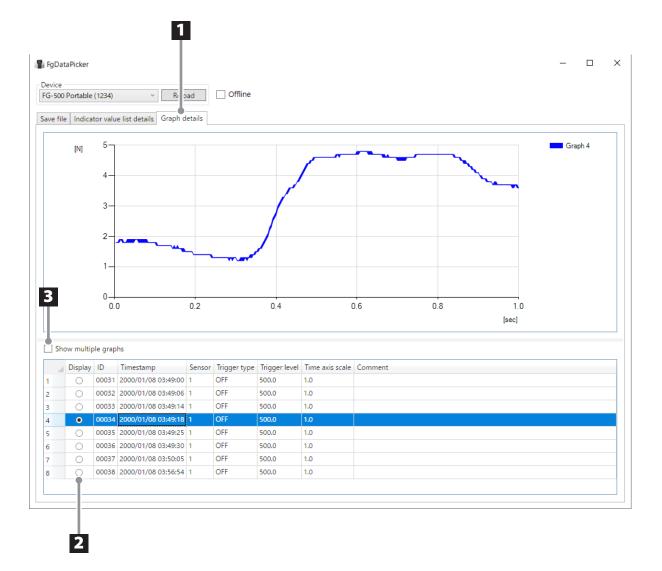
#### **Table explanation**

- 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.

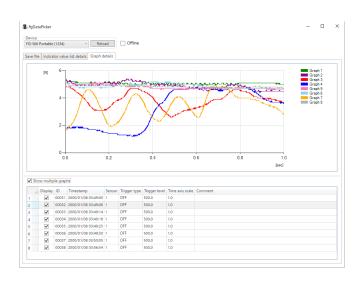
#### **2** Put check marks for the data you want to show.

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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#### System.Reactive

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