
**Operation
Guide**

**DXA250
DAQManager
Operation Guide**

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Thank you for purchasing DAQManager.

This manual explains DAQManager use examples. Please read this manual carefully before use and use DAQManager correctly.

In addition to this DAQManager manual, there is also the DXA250 DAQManager user's manual. Please read both manuals.

Adobe Reader 7 or later of Adobe Systems Incorporated is required to display the manual.

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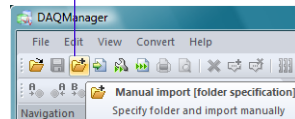
Revisions

1st Edition: May, 2009

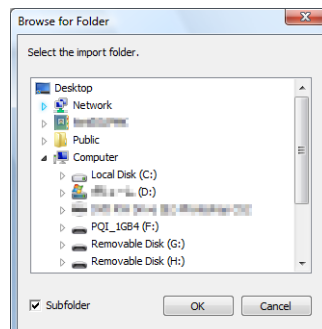
2nd Edition: September, 2009

Example 1 Data confirmation from a large quantity of data with specification of time and tag

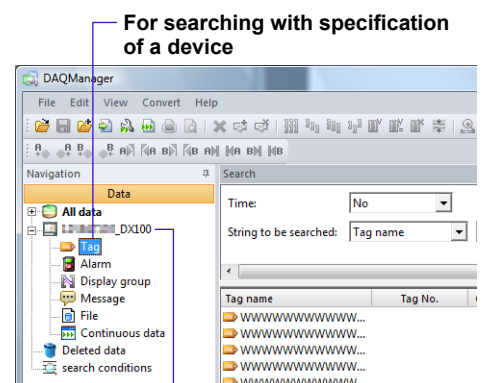
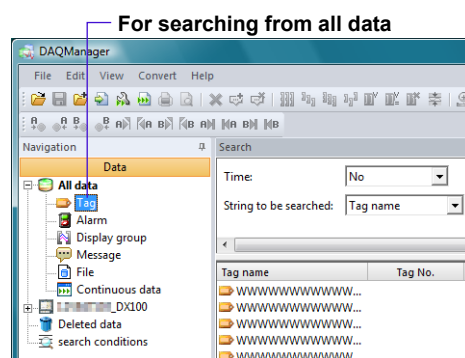
1. Click here.



2. Specify the folder and click the [OK] button.



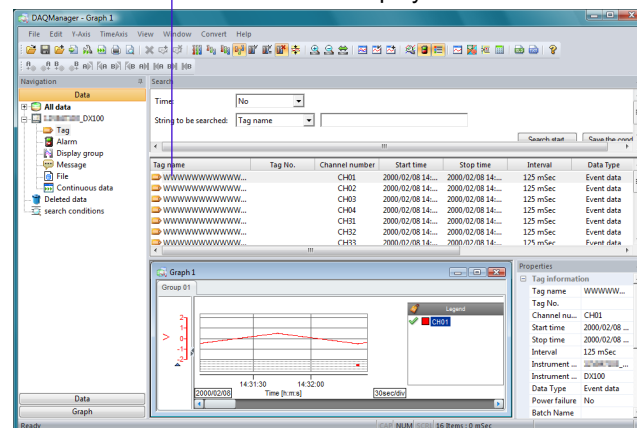
3. Open the folder and click a tab.



Serial No. and device name

When you can search out data

4. When the data to be confirmed are double-clicked, the waveform screen is displayed.



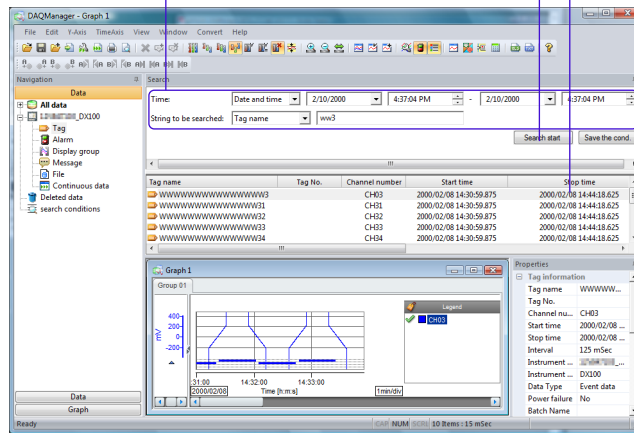
Example 1 Data confirmation from a large quantity of data with specification of time and tag

When you cannot search out data

4. When the data cannot be determined, specify the time and the tag name.

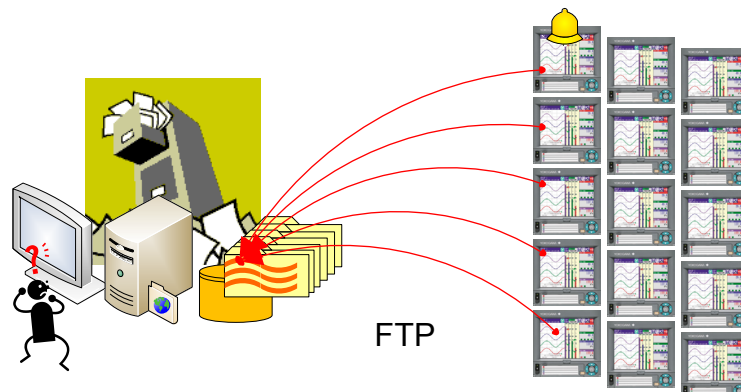
5. Click here.

6. When the data to be confirmed are double-clicked, the waveform screen is displayed.

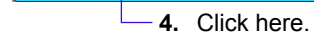
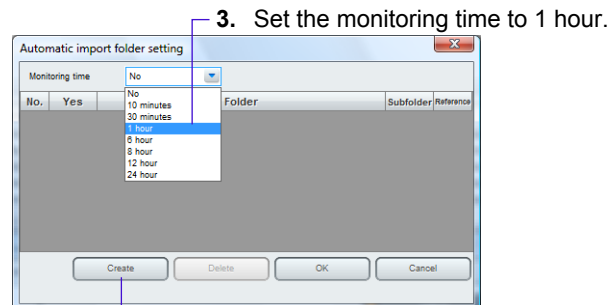
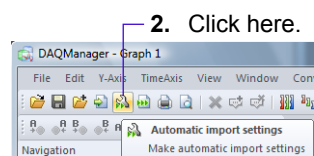


Example 2 Monitor a folder and list required data

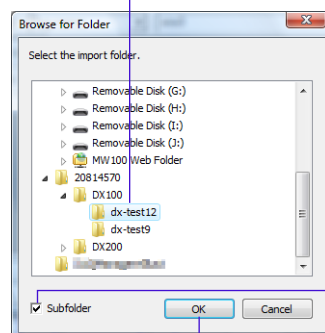
Only data generating an alarm are confirmed out of the data sent each day by FTP to a personal computer.



1. Specify a folder which can be accessed from DAQManager as the data FTP transfer target by setting from the recorder unit of our company (DX, DXAdvanced, DX364, MVAdvanced or FX100).



5. Specify the target folder for data transfer from the recorder.

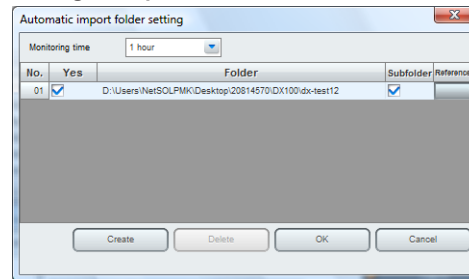


6. In case of multiple folders, specify the parent folder and check here.

7. Click here.

Example 2 Monitor a folder and list required data

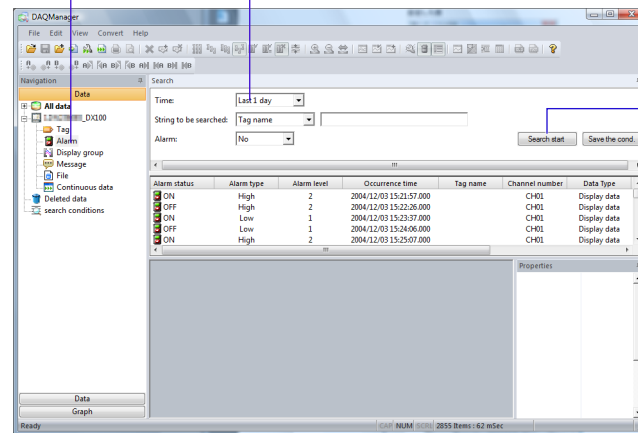
Setting example



The assumed folder is monitored every hour and any not yet imported files are imported. The navigation window is updated with the import timing.

8. Click here to display alarm data.

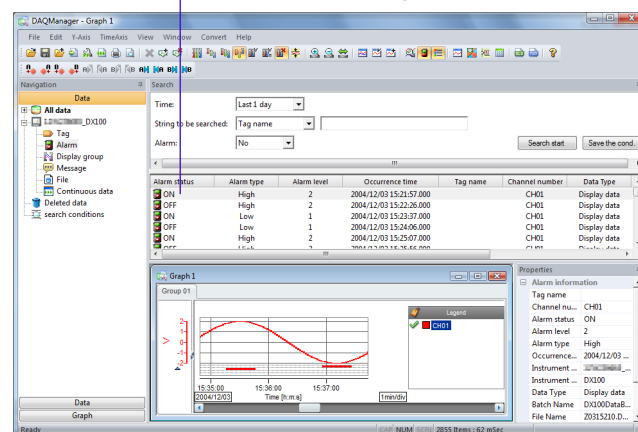
9. Set the search time to the most recent day.



10. Click here.

Start search with conditions meeting the conditions displayed with the import timing. The displayed data are always for the most recent day.

11. Double-click any data in the alarm list.

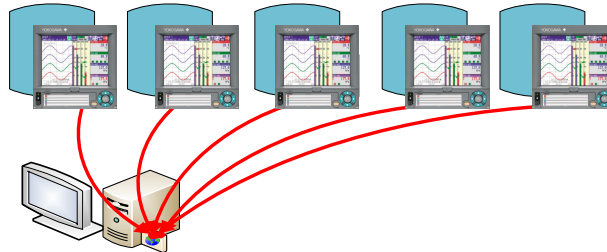


The waveform of the location where the respective alarm occurred is displayed.

Example 3 Collection of tags to be viewed and creation of a graph

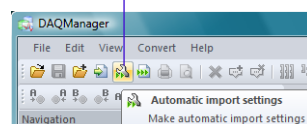
From the continuous data collected by multiple recorders, one channel of each recorder is displayed on one waveform screen.

Data collection image

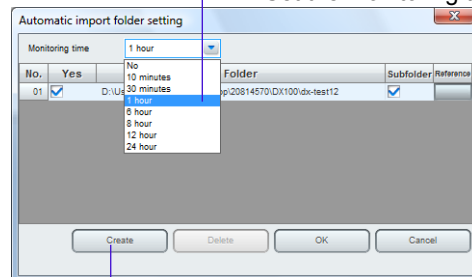


1. Set the recorder for file division in the recorder to be confirmed. For example, when hourly confirmation is desired, set for splitting the files at one hour.
2. Set at the recorder for FTP transfer with the file creation timing to a folder which can be accessed by DAQManager.

3. Click here.

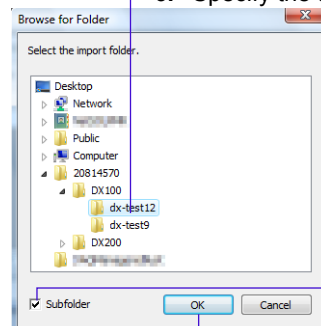


4. Set the monitoring time to 1 hour.



5. Click here.

6. Specify the target folder for data transfer from the recorder.



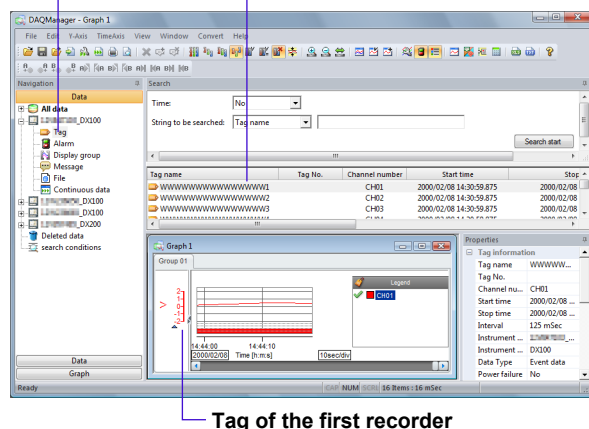
7. In case of multiple folders, specify the parent folder and check here.

8. Click here.

Example 3 Collection of tags to be viewed and creation of a graph

9. Click here and display the first tag list.

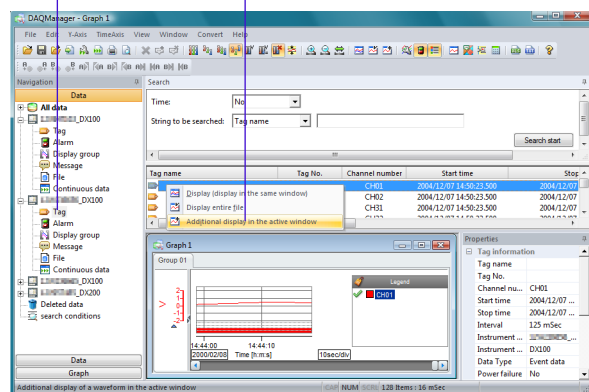
10. Double-click the first channel.



Tag of the first recorder

11. Click here and display the second tag list.

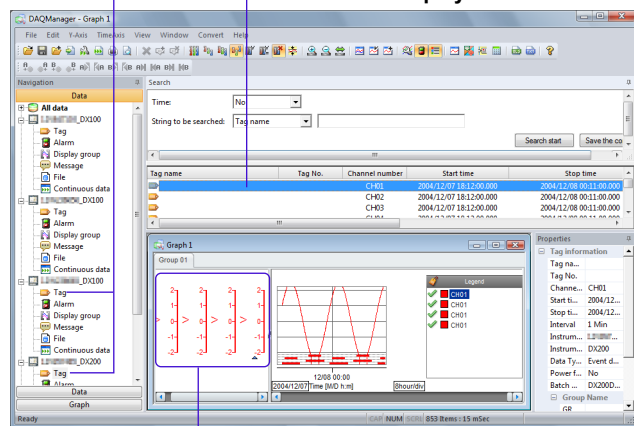
12. Right-click the first channel and select "Additional display in the active window."



13. Display the third and the fourth tag list in the same way as the second tag list, and execute step 12.

Click the third and the fourth tag list.

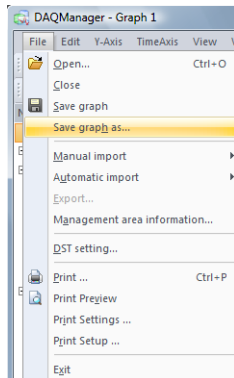
Right-click the first channel and select "Additional display in the active window."



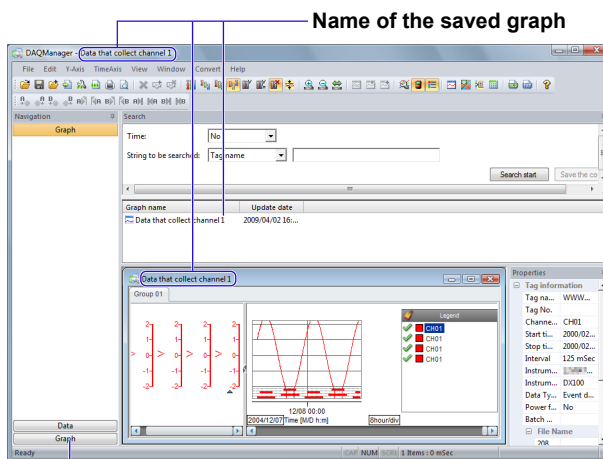
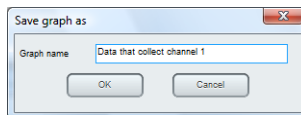
Y-axis of the additionally displayed data

Saving the waveform display conditions (graph)

14. Select graph saving from **File > Save graph as...** of the menu bar.



15. Enter "Data that collect channel 1" and click the **[OK]** button.



Displaying the waveform with the saved display conditions

16. Double-click "Data that collect channel 1."

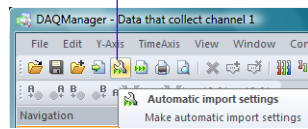
The waveform display screen is displayed in the saved condition. At this time, when the files that can be connected have been newly imported to the files containing tags composing the graph, the files will be connected and waveform display will be made.

With the use examples of this section, files are imported hourly, so that graphs are connected for each hour and are displayed. The most recent data can be confirmed without additional display of channel 1 and file connection each time files are updated.

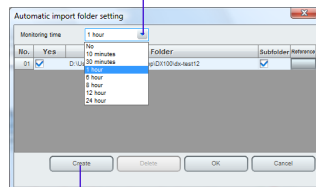
Example 4 Monitoring data retrieved by DAQEXPLORER

Monitor the data in the ercorder with DAQEXPLORER.

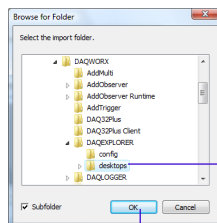
1. Click here.



2. Click here and select the monitoring time.



3. Click here.

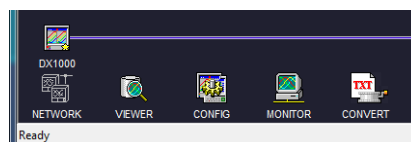


4. Select the desktop folder of DAQEXPLORER.

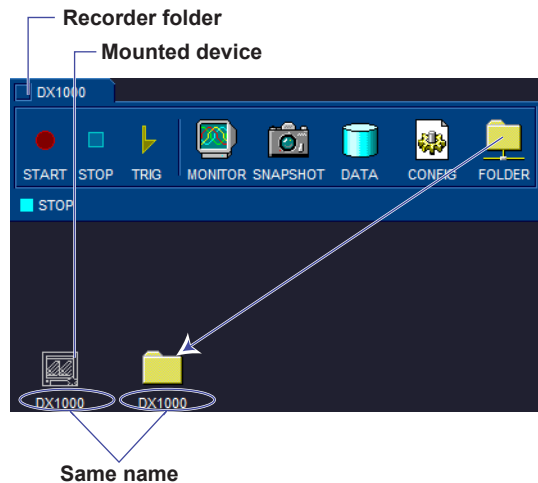
5. Click here.



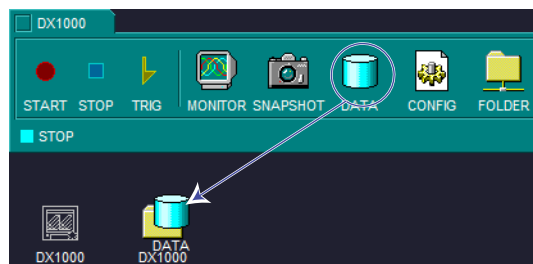
6. Start DAQEXPLORER and mount the object device on the desktop.



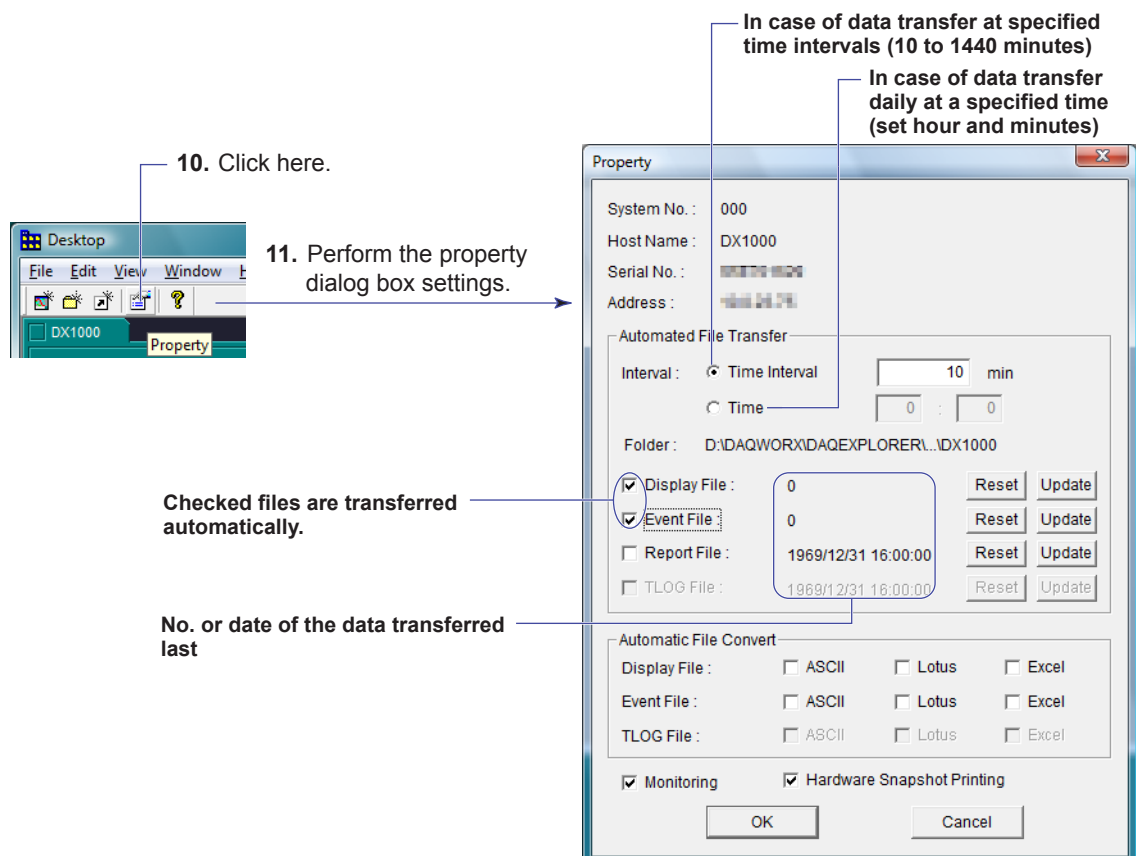
7. Double-click the mounted device.



8. Drag & drop the folder to the DAQEXPLORER desktop.
The folder name becomes the same name as that of the mounted recorder icon.
(This folder is the automatic transfer target.)



9. Drag & drop the DATA icon to the created folder icon.
(The automatic transfer target becomes the created folder.)



With the above setting, DAQEXPLORER periodically imports the files retrieved from the recorder to DAQManager.
However, files being displayed with the Viewer of DAQEXPLORER and files being retrieved sometimes may not be imported.

Example 5 Waveform display change and printing

With waveform display of DAQManager it is possible to perform waveform display in tag units, to display data with different recording intervals on the same waveform display screen, or to perform waveform display with specified display range.

Cursor use makes it possible to apply marks and to move the marked information up or down, to display calculation values for the section specified by the cursors, or to perform data conversion for the specified section.

Search by tag and waveform display

1. After file import, click here to display the tag list.
2. When data are right-clicked and "Display" is selected, waveform display is made in tag units. When data are selected, the tag information is displayed in the Properties window.

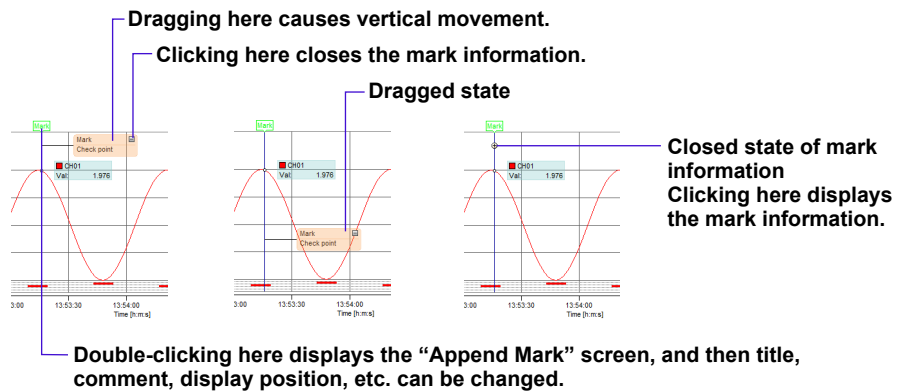
Display of data with different intervals in a single window

1. Waveform display of data with a recording interval of 125 ms.
2. When data with a recording interval of 250 ms are right-clicked and "Additional display in the active window" is selected, the waveform is shown as additional display on the existing waveform display screen.

Creating marks

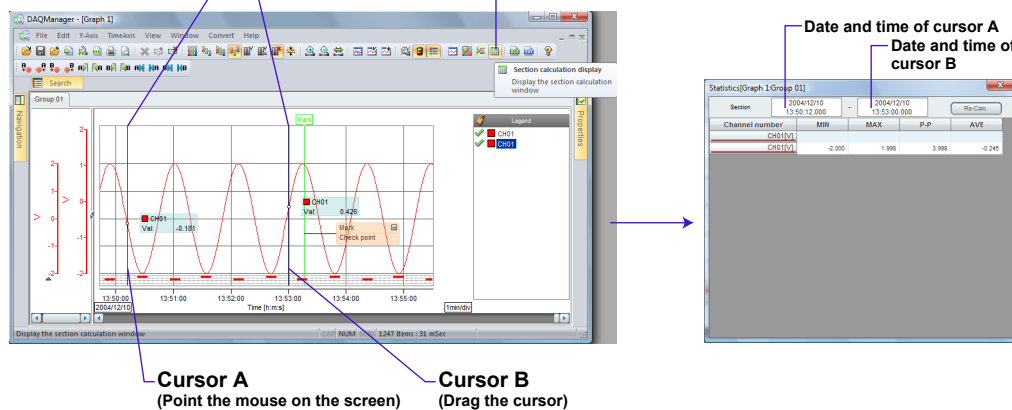
1. Click on the waveform screen and arrange the cursors.
2. Clicking here displays the "Append Mark" screen.
3. When [OK] is clicked after input of a comment, a mark is created at the cursor position.

Moving or closing mark information



Section calculation display with specification by cursors A and B

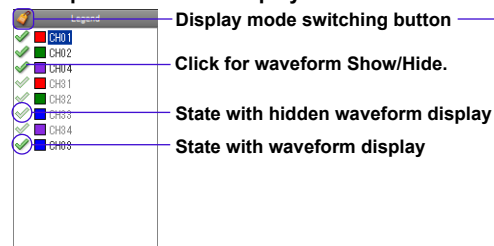
1. Create cursor A and cursor B by drag & drop on the waveform screen.
2. Clicking here displays the calculation result for the section between cursor A and cursor B.



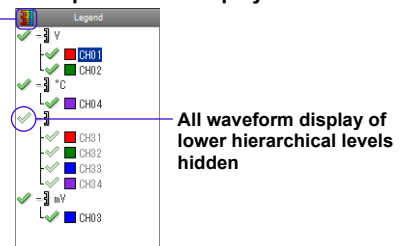
Switching the legend display

The legend display has a channel display mode with channel display and an axis display mode with Y-axis and channel display.

Example for channel display mode

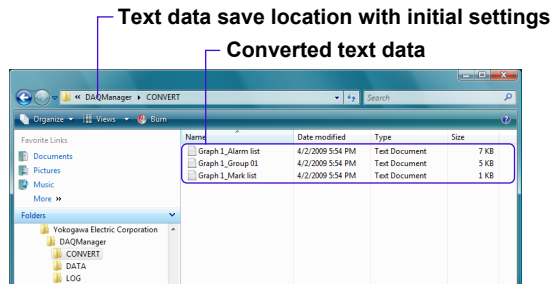
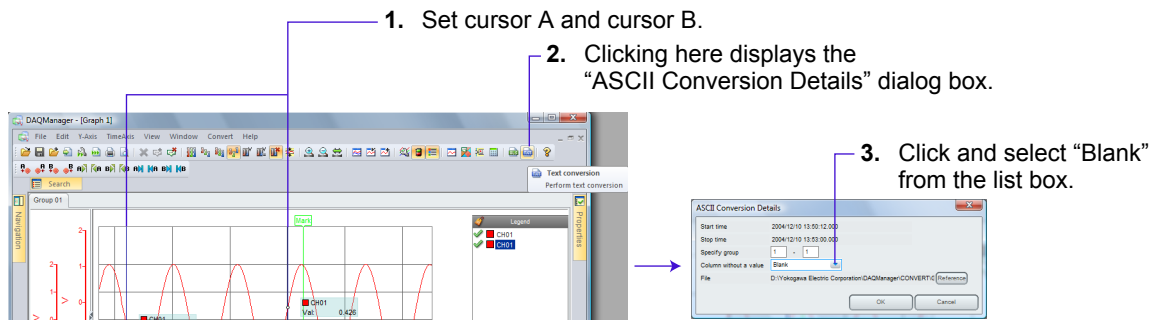


Example for axis display mode



Example 5 Waveform display change and printing

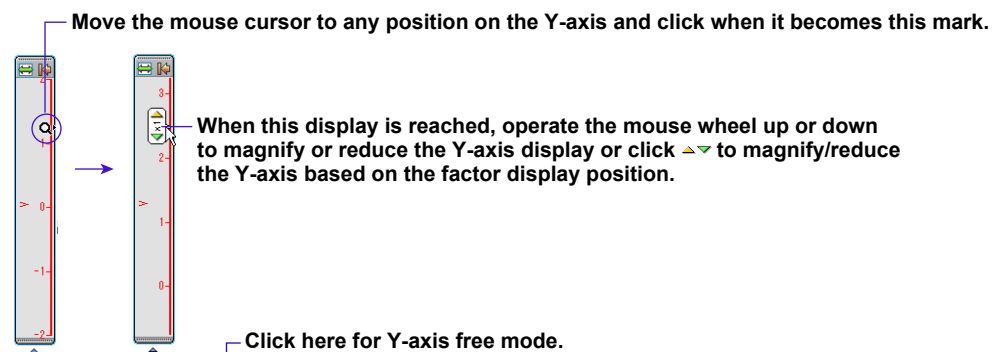
Text conversion for the specified range



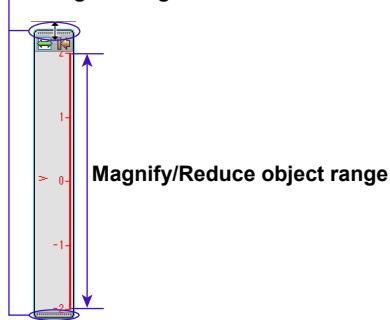
Example for text conversion data

Date	Time	Unit	V	V
"2004/12/10"	"13:50:12"		0	-0.181
"2004/12/10"	"13:50:14"		0	-0.551
"2004/12/10"	"13:50:16"		0	-0.902
"2004/12/10"	"13:50:18"		0	-1.220
"2004/12/10"	"13:50:20"		0	-1.496
"2004/12/10"	"13:50:22"		0	-1.718
"2004/12/10"	"13:50:24"		0	-1.680
"2004/12/10"	"13:50:26"		0	-1.659

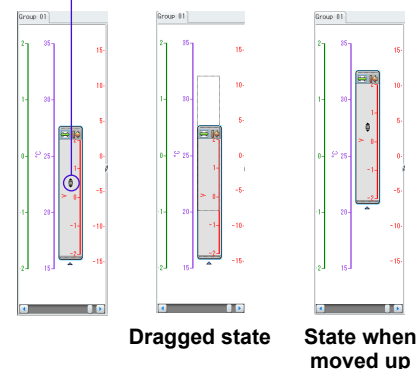
Y-axis magnification/reduction or movement



When the Y-axis is in free mode, move the cursor, and when the mouse pointer becomes an arrow, drag for magnification/reduction.



Place the mouse cursor, and when it has become this mark, drag to move the Y-axis in vertical direction.



Print

