2 Window Layout

- 2.1 Basic Analysis Application Window Layout
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- 2.3 Main Toolbar
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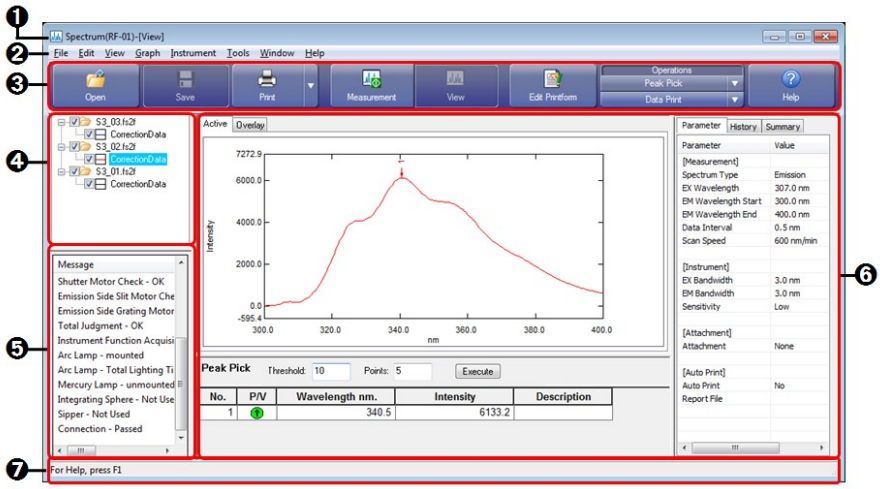
- 2.5 Log View
- 2.6 Measurement Toolbar
- 2.7 Photometer Status
- 2.8 Parameter View

2.1 Basic Analysis Application Window Layout

The basic analysis application window comprises the following areas.



Basic Analysis Application Window Layout

No.	Name	Function
❶	Title bar	Displays information including the application name, registered instrument name, and window mode ([Measurement] or [View]).
❷	Menu bar	Displays the application menus. Selecting a menu along the bar displays multiple command menus. The displayed command menus differ depending on the application type and window mode.
❸	Main toolbar	Displays tool buttons for executing main functions, such as file operations, printing, and data processing.
❹	Tree view	Displays the open data file and the data set contained in this file in tree format. Operations including switching the active data set and closing open files can be performed.

❺	Log view	Displays logs that indicate the Photometer Status and operations performed on the system as well as warnings.
❻	Application area	Displays a graph, data processing table, and information on the measurement parameters. The type of view displayed in the area and layout differ depending on the application.
❼	Status Bar	The status bar is an area at the bottom of the active window that displays information about the status of documents and contains other information, such as the meaning of a command. For example, when the mouse is pointed at a menu command, the status bar provides a brief description of that menu command.

2.2 Menu Bar

The menu bar comprises menu items that are common between applications.

- 2.2.1 [Edit] Menu
- 2.2.2 [View] Menu
- 2.2.3 [Instrument] Menu
- 2.2.4 [Tools] Menu
- 2.2.5 [Window] Menu
- 2.2.6 [Help] Menu

2.2.1 [Edit] Menu

Command	Description
[Cut]	Move the selected item to the clipboard.
[Copy]	Copy the selected item to the clipboard.
[Paste]	Paste the item on the clipboard to the selected position.
[Select All]	Select all selectable items.

2.2.2 [View] Menu

The commands displayed on this menu differ depending on the window mode.

NOTE	The quantitation and photometric application windows do not have a view mode.

■Measurement mode

Command	Description
[Tree View]	Display or hide the tree view.
[Log View]	Display or hide the log view.
[Status Bar]	Display or hide the status bar.
[Measurement Toolbar]	Display or hide the measurement toolbar.
[Parameters View]	Display or hide the parameter view.

[Photometer Status]	Display or hide the Photometer Status.

■View mode

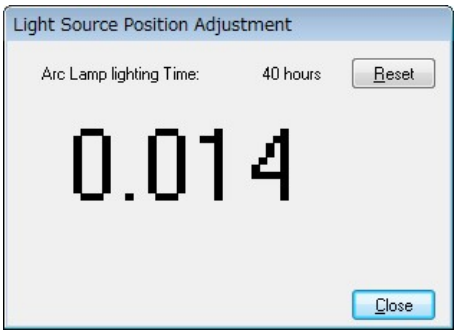
Command	Description
[Tree View]	Display or hide the tree view.
[Log View]	Display or hide the log view.
[Status Bar]	Display or hide the status bar.
[Operation View]	Display or hide the data processing area.
[Parameters View]	Display or hide the parameter view.

■Edit printform mode

Command	Description
[Tree View]	Display or hide the tree view.
[Log View]	Display or hide the log view.
[Status Bar]	Display or hide the status bar.
[Properties View]	Display or hide the properties for printable objects.
[Objects List]	Display or hide the printable object view.

2.2.3 [Instrument] Menu

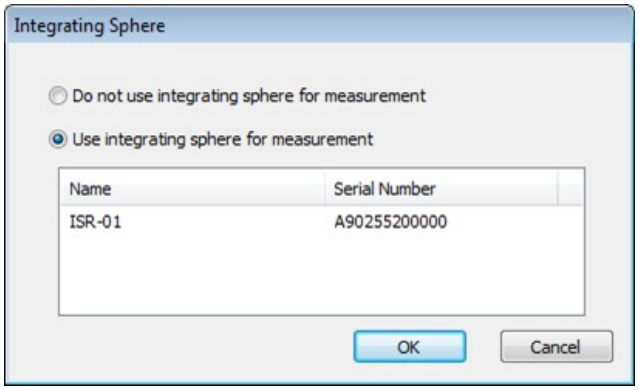
Command	Description
[Integrating Sphere]	Only available when connecting to the RF-6000 series. Select the integrating sphere to use in measurement in the [Integrating Sphere] window. This command is only available when an integrating sphere is installed on the instrument. Reference "[Integrating Sphere] window" Hint If an integrating sphere is installed, an integrating sphere icon is shown on the Photometer Status.
[Configure Instrument]	Configure settings related to the instrument in the [Configure Instrument] window. Reference "[Configure Instrument] window"
[Lamp Align]	Only available when connecting to the RF-5300PC series. Displays the [Light Source Position Adjustment] window. The fluorescence intensity is displayed in the window in real time. For details on the procedure for adjusting the light source position, refer to the RF-5300PC instruction manual.



[Light Source Position Adjustment] Window

Hint Clicking [Reset] changes the cumulative operating time of the lamp displayed in the window to zero.

■[Integrating Sphere] window

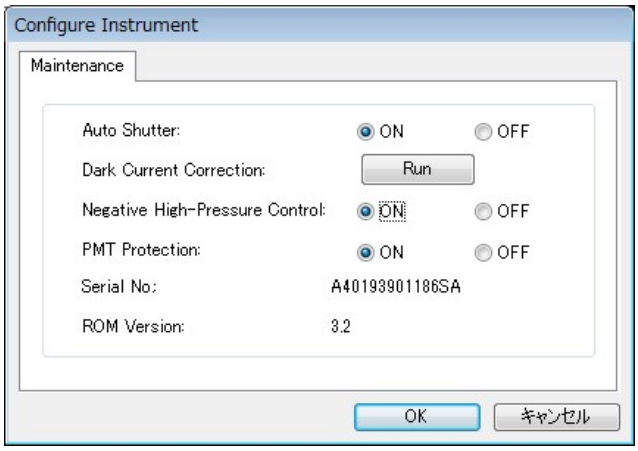


[Integrating Sphere] Window

Item	Description
[Do not use integrating sphere for measurement]	Select this setting when not using an optional integrating sphere.
[Use integrating sphere for measurement]	Select this setting when performing measurement using an optional integrating sphere. When this setting is selected, information on registered integrating spheres is displayed in a list. When multiple integrating spheres are registered, click the name of the integrating sphere to use in measurement in the list to select it.

■[Configure Instrument] window

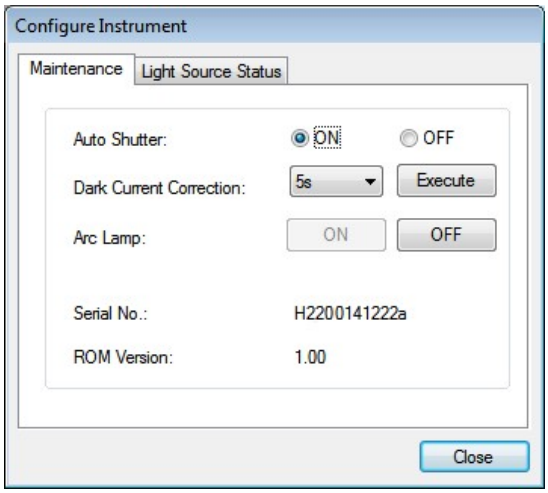
- When connecting to the RF-5300PC series:



[Configure Instrument] Window

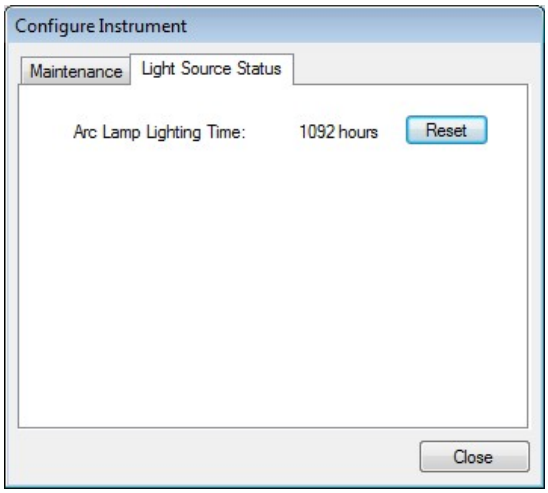
Item	Description
[Auto Shutter]	To prevent sample degradation or reaction, the sample must not be irradiated with excitation light when measurement is not being performed. • If [ON] is selected, the shutter is automatically opened only for measurement to allow excitation light to irradiate the sample. • If [OFF] is selected, the [Open] and [Close] shutter buttons on the measurement toolbar must be used to manually open and close the shutter.
[Dark Current Correction]	Click [Run] to perform dark current level correction and set the zero point. The result of this operation is the same as closing the shutter and executing [Auto Zero].
[Negative High-Pressure Control]	If [ON] is selected, automatic correction of changes in fluorescence intensity due to variations in xenon lamp power is performed. Normally perform measurement with the [ON] setting. When the lamp is OFF, this setting is automatically set to [OFF].
[PMT Protection]	If [ON] is selected, the emission side slit automatically changes to the "Close" state when the lid on the sample compartment is opened in order to prevent outside light from damaging the photomultiplier. Normally perform measurement with the [ON] setting.
[Serial No.]	Displays the serial number of the connected instrument.
[ROM Version]	Displays the firmware version of the connected instrument.

- When connecting to the RF-6000 series:



[Configure Instrument] Window - [Maintenance] Tab

Item	Description
[Auto Shutter]	To prevent sample degradation or reaction, the sample must not be irradiated with excitation light when measurement is not being performed. • If [ON] is selected, the shutter is automatically opened only for measurement to allow excitation light to irradiate the sample. • If [OFF] is selected, the [Open] and [Close] shutter buttons on the measurement toolbar must be used to manually open and close the shutter.
[Dark Current Correction]	Select the integration time and click [Execute] to perform dark current level correction and set the zero point. The result of this operation is the same as closing the shutter and executing [Auto Zero]. To measure samples with low fluorescence intensity accurately, perform dark current correction. NOTE • Dark current correction cannot be executed if the sensitivity is set to Auto. Set the sensitivity to High or Low when executing dark current correction. A dark current correction value will be saved for both High and Low settings. • To stabilize capturing of dark current correction data, set the accumulation time parameter longer for dark current correction. Set the parameter longer especially when the instrument is unstable immediately after the power is turned on.
[Arc Lamp]	Turn ON or OFF the xenon arc lamp used as the light source. Although measurement is normally performed with the [ON] setting, select the [OFF] setting when using an optional lamp. NOTE When toggling from the [OFF] state to the [ON] state, the instrument restarts automatically.
[Serial No.]	Displays the serial number of the connected instrument.
[ROM Version]	Displays the firmware version of the connected instrument.

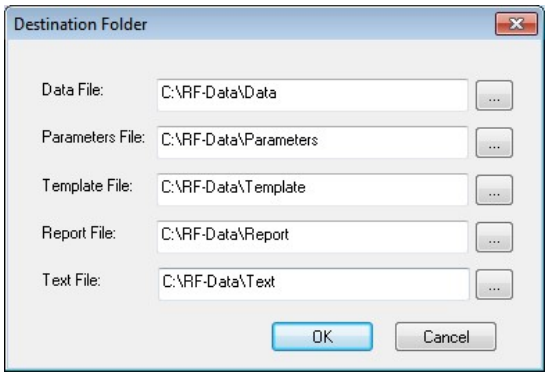
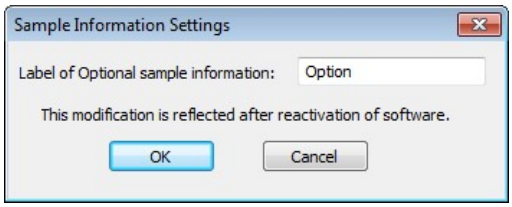


[Configure Instrument] Window - [Light Source Status] Tab

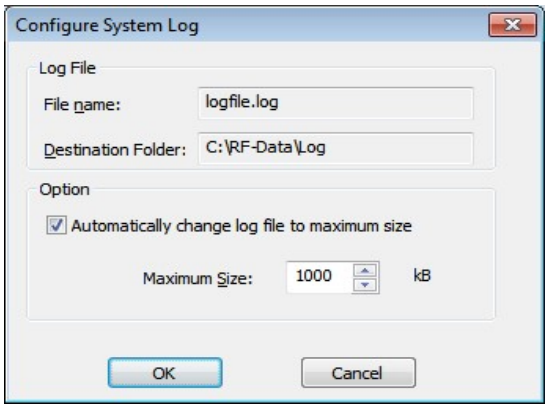
Item	Description
[Arc Lamp Lighting Time]	Displays the operating time of the arc lamp. Click [Reset] to return the arc lamp operating time to zero.

2.2.4 [Tools] Menu

Command		Description
[System Log]		
	[Configure]	Displays the [Configure System Log] window. Use this window to configure automatic saving of log files and change the name of log files to be saved. Reference "[Configure System Log] window"
	[View]	Displays the [System Log] window. A list of log files are displayed in this window. Reference "[System Log] window"
	[Open]	Select a log file in the [Open Log File] window that appears. The [System Log] window showing the details of the specified log file is displayed.
[User Settings]		Displays the [User Settings] window. Use this window to change the settings of each application. Reference • "[User Settings] window (spectrum application)" • "[User Setting] window (3D spectrum application)" • "[User Settings] window (quantitation application)" • "[User Settings] window (photometric application)" • "[User Setting] window (time course application)" • "[User Setting] window (edit print form)"
		Set the destination folder of each file type in the [Destination Folder] window.

[Destination Folder]	 [Destination Folder] Window
[Re-correction]	This function is available only when connecting to the RF-6000 series. Perform re-correction on any data file using the current correction function. **NOTE** When re-correction is performed, the corrected data set ([CorrectionData]) in the data file is overwritten. Be aware that data processing results such as for peak pick obtained before the re-correction will be erased as well. **Reference** "［PDF Output］tab"
[Optional sample information]	Set the option name of the sample information in the [Sample Information Settings] window.  [Sample Information Settings] Window

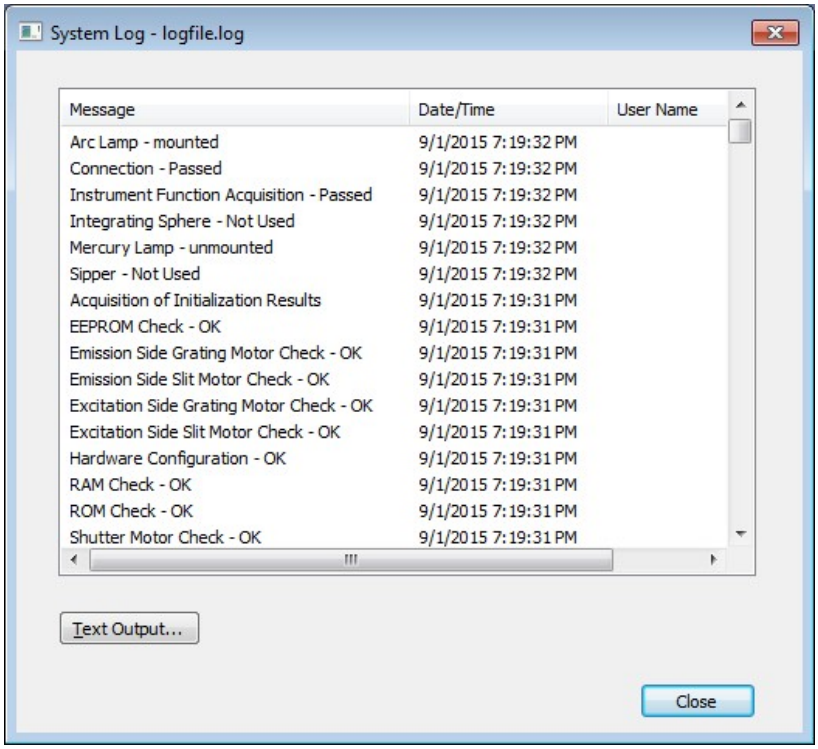
■[Configure System Log] window



[Configure System Log] Window

Item	Description
[File name]	Displays the name of the used log file.
[Destination Folder]	Displays the destination of the used log file.
[Automatically change log file to maximum size]	Select this checkbox to automatically change the log file when the specified maximum size is exceeded.
[Maximum Size]	Set the maximum size of log files.
[OK]	Apply the system log settings and close the [Configure System Log] window.
[Cancel]	Cancel any changes to the system log settings and close the [Configure System Log] window.

■[System Log] window



[System Log] Window

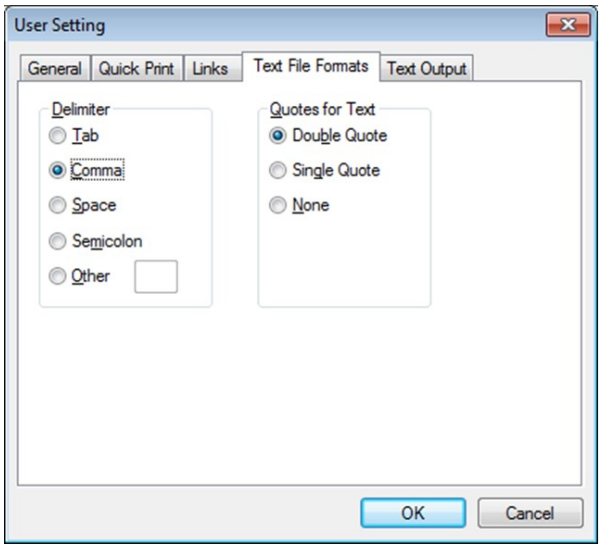
Item	Description
[Event]	Displays the details of the log. Log events including initialization result information, status of the connected instrument, and starting and stopping of measurement are displayed in real time.
[Date/Time]	Indicates the date and time that the log event was generated. **NOTE** The date and time that instrument initialization information is obtained is displayed because this information is obtained in bulk at the start of communication.
	Nothing is displayed in the standard configuration. When using the optional

[User Name]	user management function, the user name of the logged in user is recorded automatically.
[Text Output]	Save the log file information to a text file.
[Close]	Close the [System Log] window.

■[User Setting] window (common)

[Text File Formats] tab

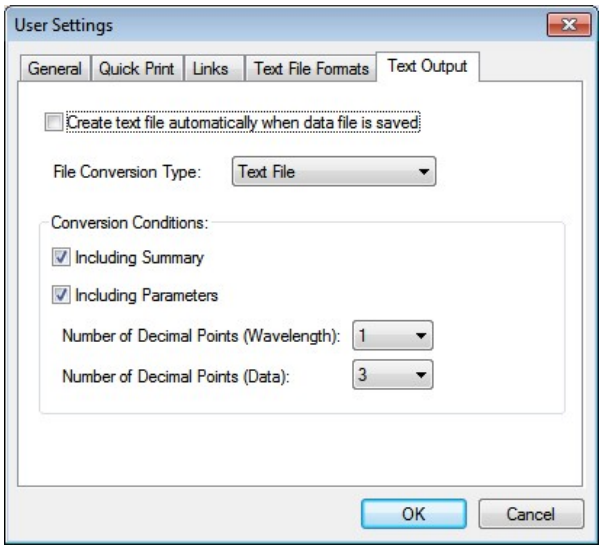
Set the delimiting character and type of quotation marks for text to use when outputting text files (.txt).



[User Setting] Window - [Text File Formats] Tab

Item	Description
[Delimiter]	Select the delimiting character to use when outputting text files.
[Quotes for Text]	Select the quotation marks to use for text when outputting text files.

[Text Output] tab

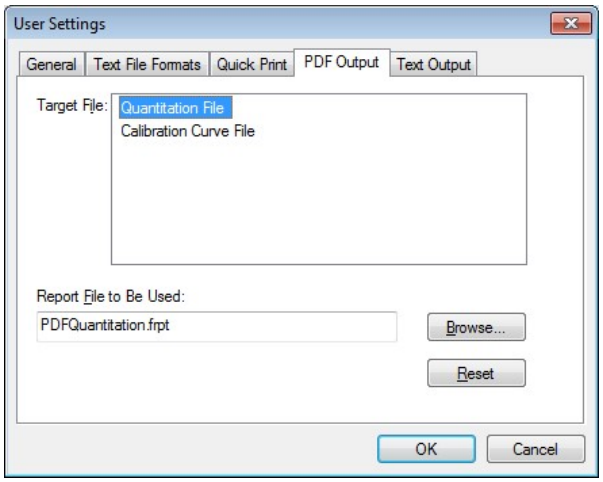


[User Settings] Window - [Text Output] Tab

Item		Description
[Create text file automatically when data file is saved]		Select this checkbox to automatically convert data contained in data files to text when the data file is saved and save the text to a text file in the specified folder.
[File Conversion Type]		Select the format for saving text files.
[Conversion Conditions]		
	[Including Summary]	Add summary information regarding the data set or data file to the created text file.
	[Including Parameters]	Add measurement parameter information of the data set or data file to the created text file.
	[Number of Decimal Points (Wavelength)]	Select the number of decimal places to use when converting wavelengths to text.
	[Number of Decimal Points (Data)]	Select the number of decimal places to use when converting data to text.

［PDF Output］tab

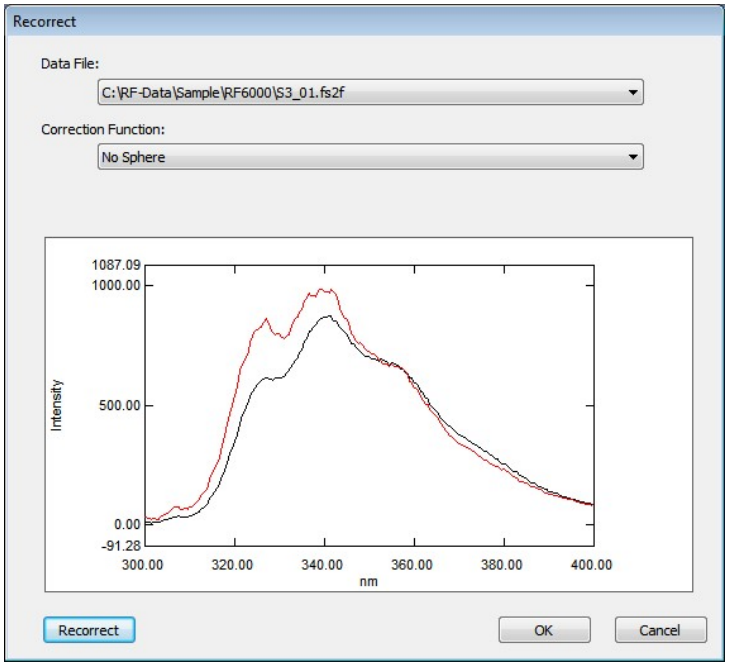
The [PDF Output] tab appears only when using the LabSolutions DB (CS) system in combination with the optional LabSolutions DB (CS) Connection Kit.
The LabSolutions DB (CS) system outputs the print image as a PDF file when a data file is registered to the database and manages them together.
Use the [PDF Output] tab to set a report file to be used for print image creation.



［User Settings] Window — ［PDF Output] tab (Quantitaion)

Item	Description
Target File	Displays data file types for which a PDF file will be created (output) when the data file is registered in the database.
Report File to Be Used.	Displays a report file name linked to the target file and its save destination. **Hint** When there are multiple target files in the list, the report file name for a selected (highlighted) data file is displayed.
Browse	Displays the report file selection window.
Reset	Return links to their initial state.

■[Recorrect] window



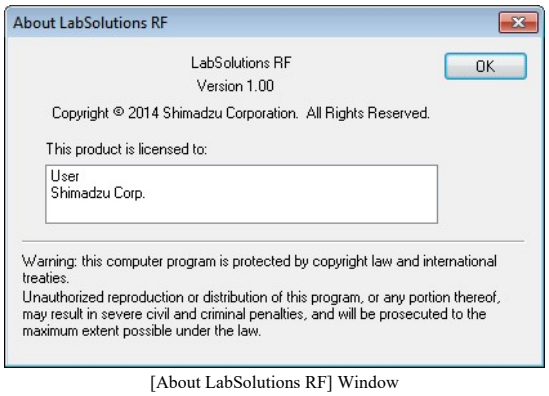
[Recorrect] Window

Item	Description
[Data File]	Specify the data for performing re-correction.
[Correction Function]	Select the correction function to use in re-correction. When "No Sphere" is selected, the correction function of the currently connected instrument is selected.
Graph	Displays the corrected spectrum of the selected data. Click [Recorrect] to display the re-corrected waveform in red superimposing the current waveform.
[Recorrect]	Perform re-correction. Although the result (graph) after re-correction is displayed in the window, selecting other data in this state will cause the re-correction result to be discarded.
[OK]	Accept the result of re-correction and close the [Recorrect] window. **NOTE** The result of re-correction is updated to the data only when [OK] is clicked to close the window. To perform re-correction on multiple files, it must be performed by opening the [Recorrect] window from the menu for each file.
[Cancel]	Cancel any settings made and close the [Recorrect] window.

2.2.5 [Window] Menu

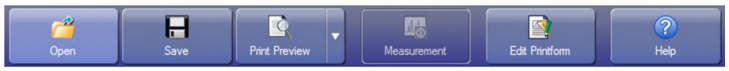
Command	Description
[View]/[Measurement]	Change between view mode and measurement mode.
[Edit Printform]	Change to the edit print form mode window.

2.2.6 [Help] Menu

Command	Description
[Help]	Display the help top page.
[About]	Display LabSolutions RF version information.  [About LabSolutions RF] Window

2.3 Main Toolbar

Main Toolbar (Spectrum/3D Spectrum/Time Course Applications)



Main Toolbar (Quantitation/Photometric Applications)

Item	Description
[Open]	Open an existing data file. Multiple files can be opened at once. **NOTE** The mode automatically changes to view mode when a file is opened. **Hint** The data file types that can be opened are the same as those that can be opened from [Open] - [Data] on the [File] menu. Other files can be opened from [Open] on the [File] menu.
[Save]	Save by overwriting the currently open data file.
[Print] or [Print Preview]	It is possible to switch between [Print] and [Print Preview] by clicking ▼ on the right. • [Print]: Print the currently open data based on the settings of a report file. • [Print Preview]: Display a preview of printer output based on the settings of a report file. **Reference** "9 Editing Print Forms"
[Measurement]	Change the window display to measurement mode.
[View]	Change the window display to view mode.
[Edit Printform]	Display the [Edit Printform] window. **Reference** "9 Editing Print Forms"
[Operations]	Displays the names of the two most recently selected data processing operations. Clicking an operation in view mode executes the corresponding data processing. **Reference** "8 Data Processing"
[Help]	Displays the help top page.

2.4 Tree View

The tree view displays loaded data (files) in a hierarchical structure (tree structure). Closing a file removes its display from the tree view and data area.

- 2.4.1 Spectrum/3D Spectrum/Time Course Applications
- 2.4.2 Quantitation and Photometric Applications
- 2.4.3 Active Data Set

2.4.1 Spectrum/3D Spectrum/Time Course Applications

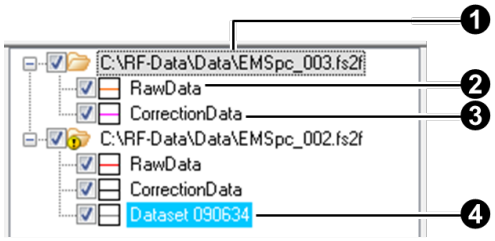
Perform measurement or open files to display data in the tree view and data area.

In the tree view, the data set name of data (raw data or corrected data) is displayed under the hierarchical structure of the file, and when data is processed, newly created operation data is added at the same level.

> **NOTE**
> - When performing spectrum (or 3D spectrum) measurement on the RF-6000 series, spectrum correction is performed at the same time. This means that raw data ([RawData]) and corrected spectrum data ([CorrectionData]) are created in the file when measurement is complete.
> - On the RF-6000 series, [RawData] is not displayed in the tree view or graph view when using the default settings because corrected spectrum data is treated as captured data (in data processing etc.). To reference raw data, change the settings via [User Settings] on the [Tools] menu.

Reference

- "[User Settings] window (spectrum application)"
- "[User Setting] window (3D spectrum application)"
- "[User Setting] window (time course application)"



Tree View (Spectrum Application)

No.	Item	Description
❶	Filename	Displays the data filename. Click [Show Full Path] on the right-click menu to switch to path display. • Select the checkbox to display all data within the file. • Deselect the checkbox to hide all data within the file. indicates that the file has not been saved.
❷	[RawData]	Displays the data set name of the raw (measurement) data. Use the checkbox to display or hide a graph on the [Overlay] tab. • ✳ : Indicates that the graph line is hidden. • : Indicates the line color displayed on the graph. **NOTE** Because corrected data is displayed on the RF-6000 series, raw data is not displayed on the tree view by default.
		Only available on the RF-6000 series. Displays the data set name after spectrum correction. Use the checkbox to display or hide a graph on the [Overlay] tab. • ✳ : Indicates that the graph line is hidden.

❸	[CorrectionData]	• : Indicates the line color displayed on the graph. NOTE On the RF-6000 series, spectrum correction is performed together with measurement.
❹	[Dataset XXXXXX] (Edit data)	Displays the data set name edited (or created) in a data operation. Use the checkbox to display or hide a graph on the [Overlay] tab. • ✳ : Indicates that the graph line is hidden. • : Indicates the line color displayed on the graph. Hint The active data set, which is targeted for data processing and saving, is highlighted in blue.

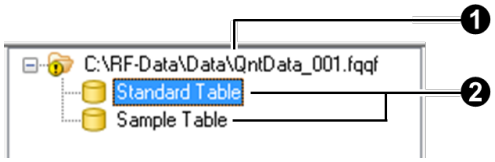
■File operations in the tree view

Operation	Description
Click [+] or [-] to the left of the filename	Display or hide the corresponding data in the tree view. • Click [+] to display table lower in the hierarchy. • Click [-] to hide table lower in the hierarchy.
Double-click	Double-click on a filename to display or hide the corresponding data in the tree view. Double-clicking the data set name changes it to the active data set.
Right-click	Right-click on a filename to execute the following menu commands. • [Show Full Path]: Switch to "full path filename display" or "filename only display" in the tree view only. • [Close]: Close the file and remove it from memory. Right-click on a data set name to execute the following menu command. • [Text File Output]: Convert and save data to a text file.
Drag (only for data sets)	This function only applies to 3D spectra. When the graph area is set to tiled display, drag a data set name to any tile position to display contour plot graph for the data.

2.4.2 Quantitation and Photometric Applications

The tree view structure for the quantitation and photometric applications is shown below.

NOTE Only the sample table is displayed in the photometric application.



Tree View (Quantitation Application)

No.	Item	Description
❶	Filename	Displays the filename of the open data.

		Click [Show Full Path] on the right-click menu to change the path display.
❷	Table names	Displays the table names contained in the open data.

■File operations in the tree view

Operation	Description
Click [+] or [-] to the left of the filename	Display or hide the corresponding data in the tree view. • Click [+] to display tables lower in the hierarchy. • Click [-] to hide tables lower in the hierarchy.
Click	Double-clicking the table name changes it to the active table. Hint Click [Start] to perform measurement of the active table.
Right-click	Right-click on a filename to execute the following menu commands. • [Show Full Path]: Switch to "full path filename display" or "filename only display" in the tree view only. • [Close]: Close the file and remove it from memory. • [Text File Output]: Convert and save the quantitation (or photometric) file to a text file.

2.4.3 Active Data Set

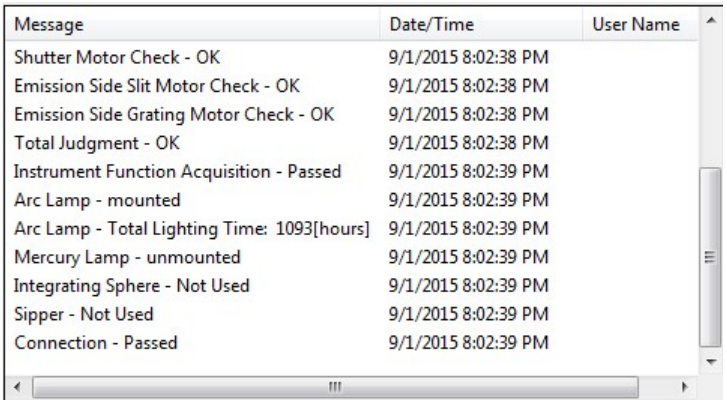
The active data set is the data set that is currently targeted for processing.

Before performing operations such as data processing, file saving, and text output, double-click on the target data set in the tree view to make it active.

The active data set is highlighted in blue in the tree view.

Reference "2.4 Tree View"

2.5 Log View



Item	Description
[Message]	Displays the details of the log. Log events including initialization result information, status of the connected instrument, and starting and stopping of

	measurement are displayed in real time.
[Date/Time]	Indicates the date and time that the log event was generated. **NOTE** The date and time that instrument initialization information is obtained is displayed because this information is obtained in bulk at the start of communication.
[User Name]	Nothing is displayed in the standard configuration. When using the optional user management function, the user name of the logged in user is recorded automatically.

NOTE The log view is limited to displaying a maximum of 1,000 events. When 1,000 events is exceeded, the oldest event is deleted to make way for the latest event.

Hint To view previous log information, click [System Log] - [View] on the [Tools] menu.

Reference "[System Log] window"

2.6 Measurement Toolbar

Measurement Toolbar (Spectrum/3D Spectrum/Time Course Applications)

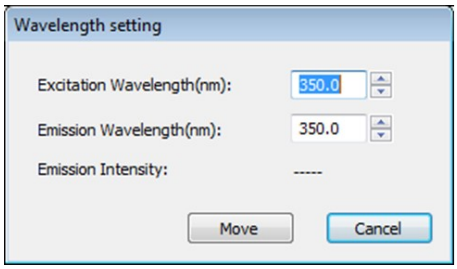
Measurement Toolbar (Quantitation/Photometric Applications)

Item	Description
[Start]	Start measurement.
[Stop]	Stop measurement.
[Open]/[Close] (shutter)	Open or close the shutter.
[Go To WL]	Display the [Wavelength setting] window and move the excitation wavelength and fluorescence wavelength. **Reference** "2.6.1 [Wavelength setting] Window"
[Auto Zero]	Set the fluorescence intensity to zero in the current state (wavelengths, instrument parameters, shutter open/close etc.).
[Search]	Display the [Search Optimal Wavelength] window and search for the optimal excitation wavelength and fluorescence wavelength. This button is disabled when the optional flash lamp is installed. **Reference** • RF-5300 series: "2.6.2 [Search Optimal Wavelength] Window" • RF-6000 series: "2.6.3 [Perform Search] Window"
[Sip] (sipper)	This button is enabled when the optional sipper is connected. Clicking this button causes the sipper to perform a sipping operation for the duration of the sipping time set under [Attachment] in the measurement parameters. This is used for washing the sipper cell or filling the cell with

		blank solution.
[Purge] (sipper)		This button is enabled when the optional sipper is connected. Clicking this button causes the sipper to perform a purging operation for the duration of the purging time set under [Attachment] in the measurement parameters. This is used when discharging the blank solution filled in the sipper cell.
[Set file name automatically]		Select this checkbox to generate filenames automatically according to the settings registered in the [Configuration] window.
>> (auto file function)		Display the [Settings] window of the auto file function. Reference "2.6.4 [Settings] Window (Auto File Function)"
Filename display		Displays the filename for creation/saving in the next measurement when the [Set file name automatically] checkbox is selected.
[Template]	[Open]	Open a template file.
	[Save As]	Save the current state as a template file.
[File Name]/[Photometric File]		Displays the filename used when saving or the name of the currently loaded data file.
>> (set file)		Set the quantitation or photometric file. The [Quantitation File Setting] window is displayed in the quantitation application and the [Photometric File Setting] window is displayed in the photometric application. Reference "[New Data Set] Window"
[Connect]/[Disconnect]		Connect to or disconnect from the instrument.

- 2.6.1 [Wavelength setting] Window
- 2.6.2 [Search Optimal Wavelength] Window
- 2.6.3 [Perform Search] Window
- 2.6.4 [Settings] Window (Auto File Function)
- 2.6.5 [Quantitation File Setting] Window/[Photometric File Setting] Window

2.6.1 [Wavelength setting] Window



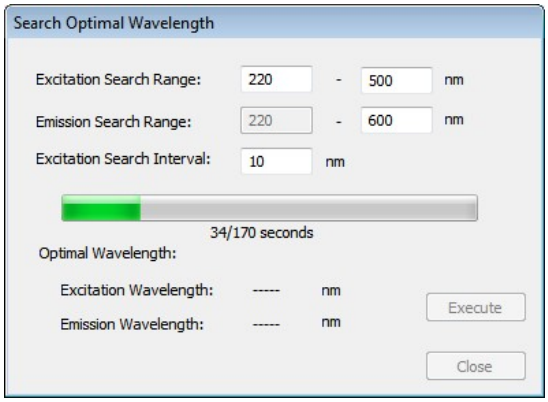
[Wavelength setting] Window

Item	Description
[Excitation Wavelength]	Set the excitation wavelength. Effective range: 220.0 to 900.0 (RF-5300 series), 200.0 to 900.0 (RF-6000 series)
[Emission Wavelength]	Set the fluorescence wavelength. Effective range: 220.0 to 900.0 (RF-5300 series), 200.0 to 900.0 (RF-6000 series)

[Emission Intensity]	After moving to the set wavelength, the fluorescence intensity is read and displayed.
[Move]	Move to the set wavelength.
[Close]	Close the [Wavelength setting] window.

2.6.2 [Search Optimal Wavelength] Window

When connecting to the RF-5300 series, this window is displayed by clicking [Search] on the measurement toolbar.

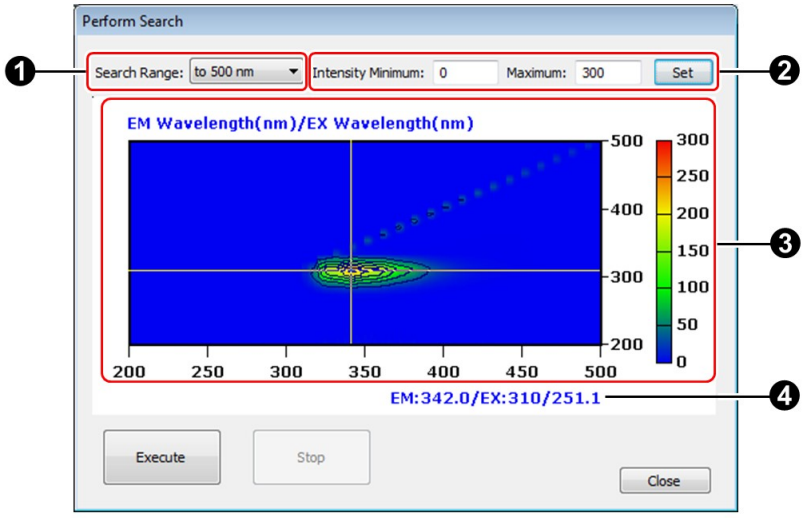


[Optimal Excitation/Emission Wavelength Search] Window

Item	Description
[Excitation Search Range]	Set the excitation wavelength range to search. Effective range: 220 to 900 nm (only integer value input accepted)
[Emission Search Range]	Set the fluorescence wavelength range to search. The start value for excitation is displayed as the start value (cannot be input). Effective range: 220 to 900 nm (only integer value input accepted)
[Excitation Search Interval]	Set the excitation wavelength interval to search. Effective range: 10 to 99 nm (only integer value input accepted)
Progress bar	Displays the progress of the search. (Elapsed time/estimated completion time in seconds)
[Optimal Wavelength]	After clicking [Execute], the optimal wavelengths are displayed once they have been determined.
[Execute]	Execute processing to determine the optimal wavelengths in the set wavelength ranges.
[Close]	Close the [Search Optimal Wavelength] window.

2.6.3 [Perform Search] Window

When connecting to the RF-6000 series, this window is displayed by clicking [Search] on the measurement toolbar.

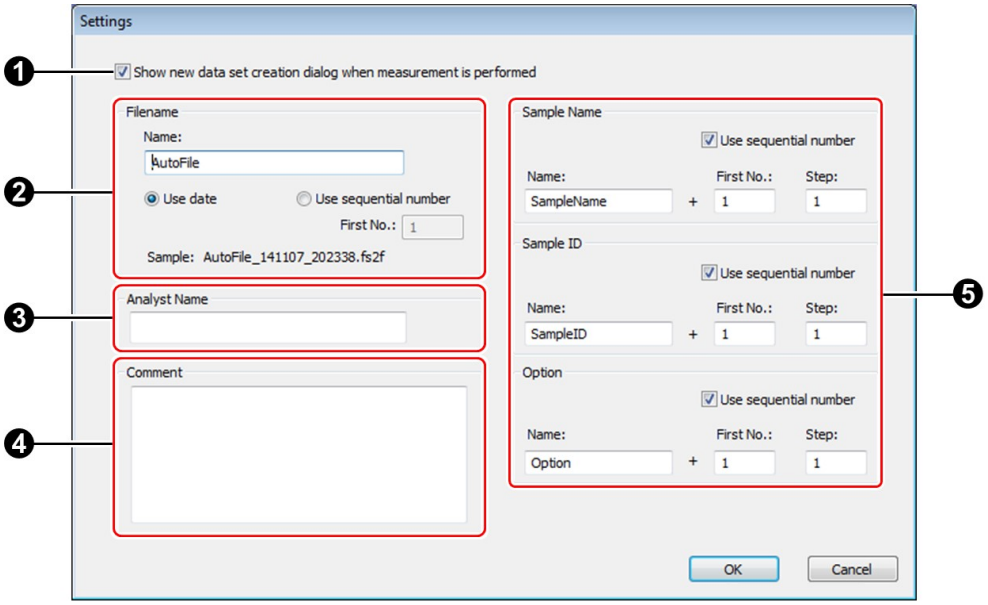


[Perform Search] Window

No.	Item		Description
❶	[Search Range]		Select the search range. • to 500 nm • to 600 nm • to 700 nm • to 800 nm • Full Range **Hint** When [to 500 nm] is selected, the excitation wavelength is set to 200 nm to 500 nm at intervals of 10 nm, and when the excitation wavelength is 400 nm, the fluorescence spectrum is measured in the range of 400 nm to 500 nm.
❷	Intensity axis settings		After searching is complete, the intensity axis range for the intensity contour can be set.
		[Intensity]	Enter the minimum and maximum values for the intensity axis of the intensity contour. Values can be entered after searching is complete. Effective range: -100000000 to 100000000 ([Minimum] to [Maximum])
		[Set]	The intensity contour is redrawn using the set intensity range.
❸	Intensity contour		Displays an intensity contour of the captured data. After searching is complete, drag out an area on the intensity contour to enlarge the display. To redraw the contour using the scale after measurement, click [Auto Scale] on the right-click menu.
❹	Current value display at the crosshair cursor		Displays the horizontal axis (fluorescence wavelength), vertical axis (excitation wavelength), and intensity values corresponding to the crosshair cursor position.
-	[Execute]		Execute a wavelength search.
-	[Stop]		Stop a wavelength search.
-	[Close]		Close the [Perform Search] window.

2.6.4 [Settings] Window (Auto File Function)

When using the auto file function to automatically create filenames for saving after measurement, set the rules for creating file information such as filenames.



[Settings] Window

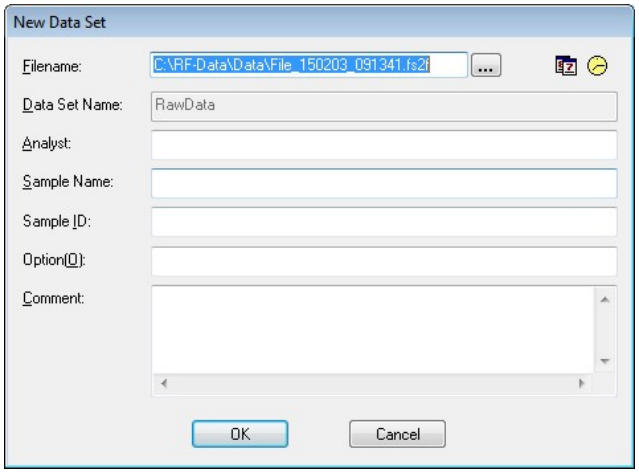
No.	Item		Description
❶	[Show new data set creation dialog when measurement is performed]		Select this checkbox to display the [New Data Set Creation] window when performing measurement. Enter information such as sample information and the name to give the file that is created after measurement. Reference "[New Data Set] Window" Hint Although the initial filename is created using the current date and time, this can be changed as required. NOTE The file is automatically saved after measurement is complete. To change the filename after measurement, click [Save As] on the [File] menu to rename and save the file.
❷	[Filename]		Set the creation rules for the filename that is automatically created when saving a file.
		[Name]	Specify the text to use in the filename.
		[Use date]	Select this setting to use the date and time in the filename.
		[Use sequential number]	Select this setting to use a sequential number in the filename.
		[First No.]	Specify the starting number when using a sequential number in the filename.
		[Sample]	Displays a preview of the data filename.
❸	[Analyst Name]		Enter the name of the analyst who created the data file.
❹	[Comment]		Enter a comment for the data file.
	[Sample Name]/		

❺	[Sample ID]/ [Option]		
		[Use sequential number]	Select this checkbox to use a sequential number for the sample name, sample ID, and option.
		[Name]	Enter text to use for the sample name, sample ID, and option.
		[First No.]	Enter the starting number to use for the sample name, sample ID, and option.
		[Step]	Enter the number of steps from the starting number to use for the sample name, sample ID, and option.
-	[OK]		Save the automatic filename settings.
-	[Cancel]		Cancel the automatic filename settings and close the [Settings] window.

■[New Data Set] Window

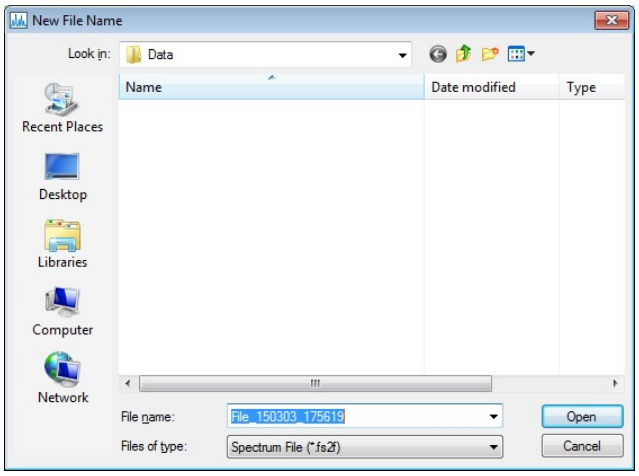
> **NOTE** Since the file is automatically saved after measurement is complete, the filename cannot be changed at this point.
> To change the filename after measurement, click [Save As] on the [File] menu to save the file under a different filename.
> Data information such as the sample name and comment can be changed from [Properties] on the [File] menu.

Reference "[File Properties] window"

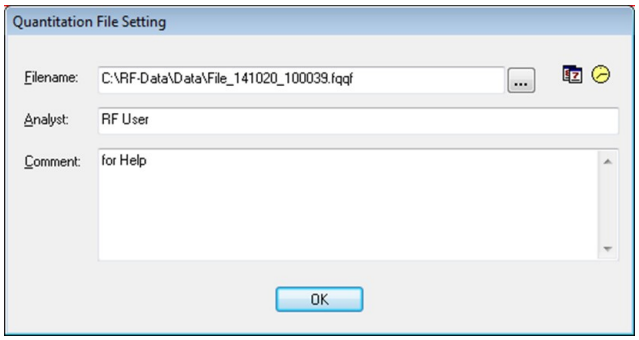


[New Data Set] Window

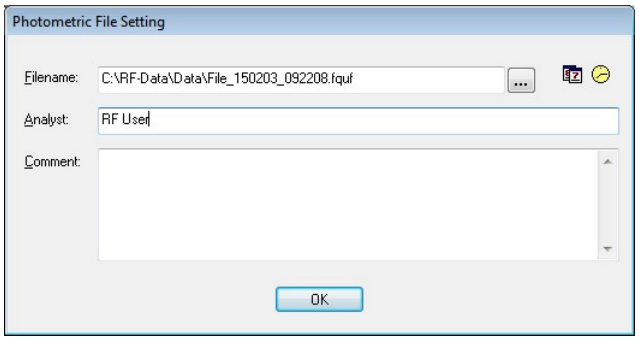
Item	Description
	Displays the filename. Although the default filename is created using the current date and time, this can be changed as required. Click [...] to display the [New File Name] window.

[Filename]	 [New File Name] Window The save destination can be selected on the [New File Name] window. The default save destination is the folder specified at [Destination Folder] on the [Tools] menu. Reference "2.2.4 [Tools] Menu"
[Analyst]	Enter the name of the analyst who created the data set. If an analyst name is already set in the data set, it is read and displayed.
[Comment]	Enter a comment for the data set. If a comment is already set in the data set, it is read and displayed.
	Click this icon to enter the current date to the cursor position in the entry field.
	Click this icon to enter the current time to the cursor position in the entry field.
[OK]	Save the filename settings. If the window was displayed at the start of measurement, pressing this button starts measurement.
[Cancel]	Cancels the filename settings and closes the [New Data Set] window. If the window was displayed at the start of measurement, pressing this button cancels measurement.

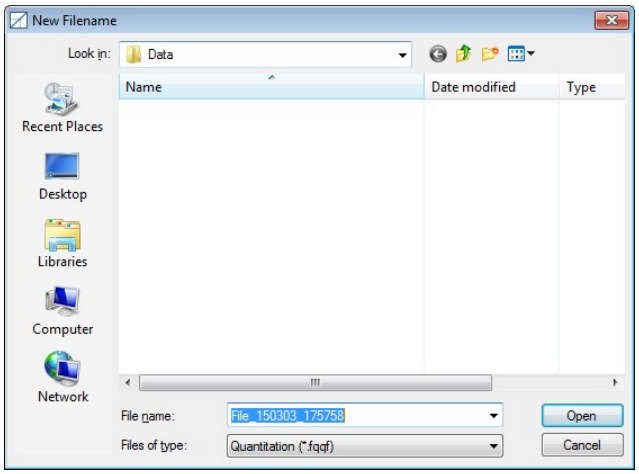
2.6.5 [Quantitation File Setting] Window/[Photometric File Setting] Window



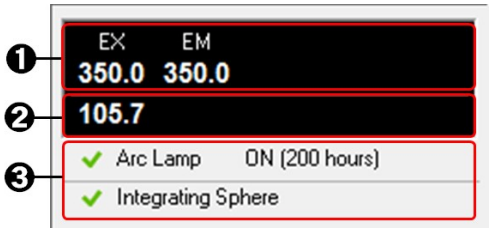
[Quantitation File Setting] Window



[Photometric File Setting] Window

Item	Description
[Filename]	Displays the name of the quantitation file or photometric file. Although the default filename is created using the current date and time, this can be changed as required. Click [...] to display the [New Filename] window.  [New Filename] Window The save destination can be selected on the [New Filename] window. The default save destination is the folder specified at [Destination Folder] on the [Tools] menu. Reference "2.2.4 [Tools] Menu"
[Analyst]	Enter the name of the analyst who created the data file. If an analyst name is already set, it is read from the data file and displayed.
[Comment]	Enter a comment for the data file. If a comment is already set, it is read from the data file and displayed.
	Click this icon to enter the current date to the cursor position in the entry field.
	Click this icon to enter the current time to the cursor position in the entry field.
[OK]	Save the filename settings.
[Cancel]	Cancel the filename settings and close the [Quantitation File Setting] window or [Photometric File Setting] window.

2.7 Photometer Status



Photometer Status

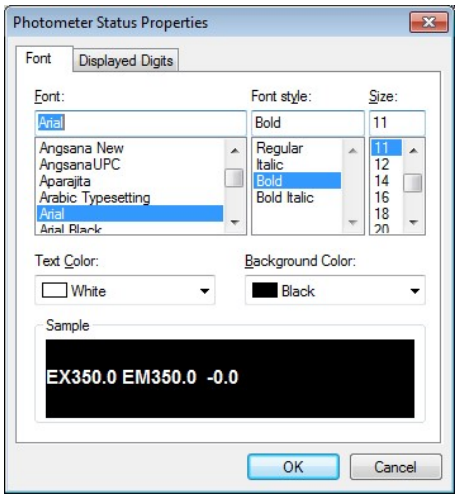
No.	Item		Description
❶	[EX]		Displays the excitation wavelength.
	[EM]		Displays the fluorescence wavelength.
❷	Intensity value		Displays the current fluorescence intensity at the wavelength displayed at ❶. NOTE The fluorescence intensity before spectrum correction is displayed.
❸	Photometer Status		Displays the lighting state and cumulative operating time of the light source lamp and the status of any installed options.
		[Arc Lamp]	This is displayed when connected to an instrument installed with an arc lamp (not shown when disconnected). • (green): Arc lamp can be used • (yellow): Arc lamp has exceeded its service life (RF-5300 series: 500 hours, RF-6000: 2,000 hours) • (red): Arc lamp is lit even though it should be unlit • ON/OFF: Lamp lit/unlit display • Time: Cumulative operating time of arc lamp
		[Integrating Sphere]	This is displayed when connected to an instrument installed with an optional integrating sphere (not shown when disconnected). (green): Integrating sphere connected
		[Sipper]	This is displayed when connected to an instrument installed with an optional sipper (not shown when disconnected). (green): Sipper connected

- 2.7.1 [Photometer Status Properties] Window

2.7.1 [Photometer Status Properties] Window

Right-click on the Photometer Status and select [Properties] to display the Photometer Status properties window.

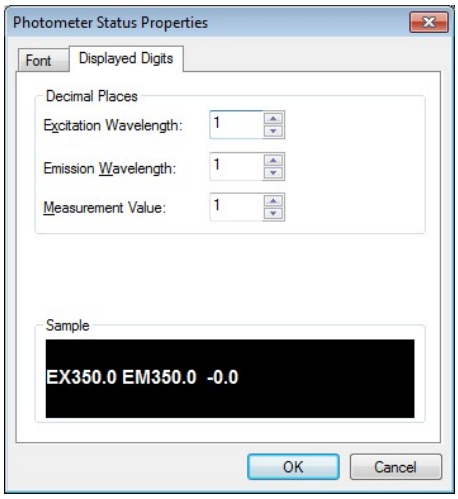
■[Font] tab



[Photometer Status Properties] Window - [Font] Tab

Item	Description
[Font]	Set the font of the text to display in the Photometer Status.
[Font style]	Set the style of the text to display in the Photometer Status.
[Size]	Set the size of the text to display in the Photometer Status.
[Text Color]	Set the color of the text to display in the Photometer Status.
[Background Color]	Set the background color of the text to display in the Photometer Status.
[Sample]	Displays a sample of the selected font.
[OK]	Accept the display settings for the Photometer Status.
[Cancel]	Cancel the display settings for the Photometer Status.

■[Displayed Digits] tab



[Photometer Status Properties] Window - [Displayed Digits] Tab

Item	Description

[Excitation Wavelength]	Set the number of decimal places used to display the excitation wavelength. Selection options: 0, 1
[Emission Wavelength]	Set the number of decimal places used to display the fluorescence wavelength. Selection options: 0, 1
[Measurement Value]	Set the number of decimal places used to display fluorescence intensity (analog values). Selection options: 0, 1, 2, 3
[Sample]	Displays a sample of the set number of decimal places.

2.8 Parameter View

The information displayed in the parameter view differs depending on the window mode (measurement mode or view mode).

- 2.8.1 Measurement Mode
- 2.8.2 View Mode

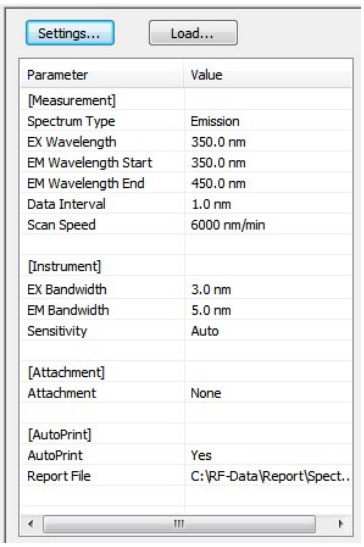
2.8.1 Measurement Mode

The currently set parameters can be checked, edited, and saved in this mode.

Because the graph view (for displaying calibration curves and sample graphs) is also displayed in the quantitation and photometric applications, select the [Parameter] tab to change to and display parameter information.

Reference

- Quantitation application: "5.3 Parameter/Graph View"
- Photometric application: "6.3 Parameter/Graph View"

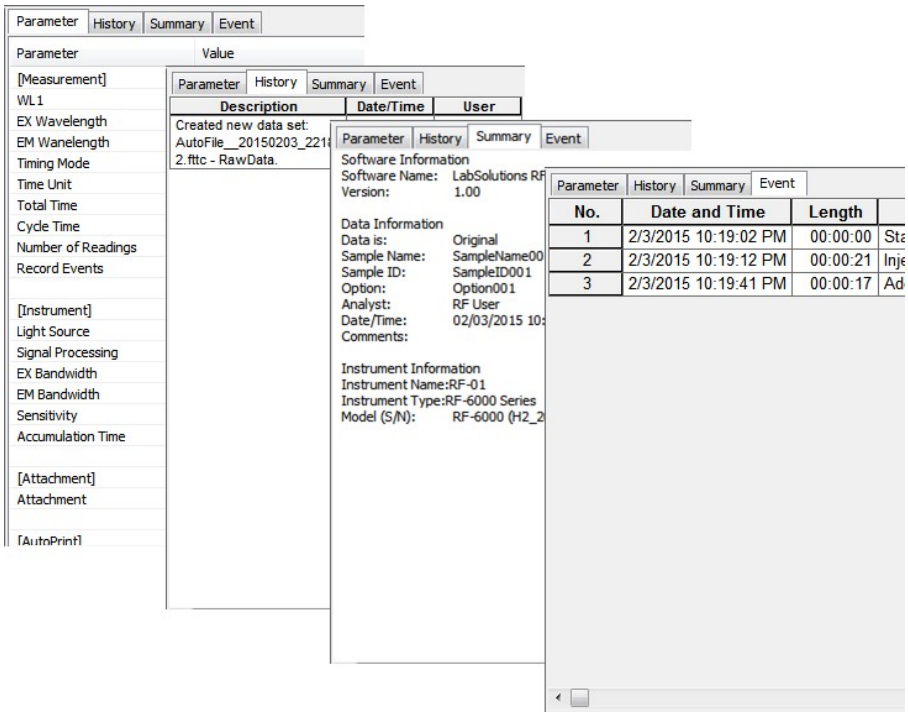


Parameter View (Measurement Mode) - Spectrum Application

Item	Description
	Display the measurement parameters settings window. Use this window to edit the currently set parameters and save the settings as a

[Settings]	measurement parameters file. Reference • "3.3 [Spectrum Mesurement Parameters] Window"、 • "4.3 [3D Spectrum Mesurement Parameters] Window" • "5.4 [Quantitation Measurement Parameters] Window" • "6.4 [Photometric Measurement Parameters] Window" • "7.3 [Time Course Measurement Parameters] Window"
[Load]	Display the [Open] window. Use this window to select a saved measurement parameters file and load parameter settings.
Parameter display area	Displays the settings of the measurement parameters currently set for the instrument.

2.8.2 View Mode



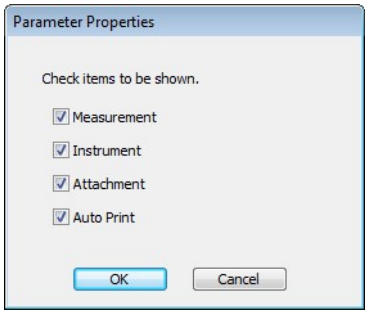
Parameter View (View Mode)

Item	Description
[Parameter] tab	Displays the measurement parameters used when measuring the active data set.
[History] tab	Displays the data history of the active data set.
[Summary] tab	Displays a summary of the active data set.
[Event] tab	Only displayed in the time course application. Displays an event record of the active data set. NOTE The [Event] tab is only displayed when the [Record Events]

	checkbox is selected on the [Measurement] tab in the [Time Course Mesurement Parameters] window and the measured data set is set to active.

■Right-click menu of the parameter view

Click the right mouse button on the parameter view to display the following right-click menu.
The items displayed on the menu differ depending on the tab.

Menu		Description
[Parameter] tab		
	[Print]	Perform a quick print. Set or change the report file to use via [User Settings] on the [Tools] menu. Reference • "[User Setting] window (common)" • "[User Settings] window (spectrum application)" • "[User Setting] window (3D spectrum application)" • "[User Settings] window (quantitation application)" • "[User Settings] window (photometric application)" • "[User Setting] window (time course application)"
	[Properties]	Displays the [Parameter Properties] window. Whether to display or hide items on the parameter tab can be selected for each parameter group.  [Parameter Properties] Window (Spectrum Application)
[History] tab/ [Summary] tab		
	[Copy]	Copy the selected items to the clipboard.
	[Select All]	Select all selectable items.