

# **CM-MISDK (C# version)**

## **Reference Manual**

[Rev.1.02]



KONICA MINOLTA

**CM-MISDK (C# Version) Reference Manual****• Official application names used in this manual**

Abbreviated in this manual    Official name

as:

Windows 7	Microsoft® Windows® 7 Business Operating System
Windows 8.1	Microsoft® Windows® 8.1
Windows 10	Microsoft® Windows® 10
C#	Microsoft® Visual C#
C++	Microsoft® Visual C++
VB	Microsoft® Visual Basic .NET

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**CM-MISDK (C# Version) Reference Manual****Introduction**

The SDK is a tool for developing a PC application for instruments that measure object color. This manual describes how to use the SDK.

Application developers are assumed to be using C#, so the programming methods are described using C#. This SDK does not support multithreading.

**1. System Environment**

The following table lists the verified development environments.

Supported operating systems	Windows 7(x86), Windows 7(x64) Windows 8.1(x86), Windows 8.1(x64) Windows 10(x86), Windows 10(x64)
Operating environment	.NET Framework 4.5
Development environment	Visual Studio 2012 Visual Studio 2013 Visual Studio 2015 Visual Studio 2017
Development languages	VC++, VC#, VB.NET
Controllable instruments	<ul style="list-style-type: none"> <li>• CM-M6</li> <li>• CM-25cG</li> <li>• CM-26dG</li> <li>• CM-26d</li> <li>• CM-25d</li> <li>• CM-23d</li> </ul>

**CM-MISDK (C# Version) Reference Manual****2. Installing/Uninstalling the SDK****2.1. Installation**

Install this SDK according to the following procedure.

- (1) Expand the contents of the provided "cm-misdk\_verXXXrX.zip" file to the desired location on the PC.
- (2) "cm-misdk\_verXXXrX" will be displayed and the following folders will be present when the files are expanded.

No.	Folder name	Overview
1	SDK	CM-MISDK files
2	Manual	CM-MISDK Reference Manual
3	Driver	USB driver for instrument
4	SampleCode	Sample code files
5	License	License agreement

- (3) To develop applications using the SDK, configure the appropriate settings so that the following files in the above SDK folder can be accessed from the development environment. For details, refer to "3. SDK Overview".

No.	Folder name	Overview
1	CMMISDK_x86.dll	SDK DLL file (32-bit version)
2	CMMISDK_x64.dll	SDK DLL file (64-bit version)
3	CMMISDK.NET.dll	C# version DLL file

**2.2. Uninstallation**

Delete the cm-misdk\_verXXXrX folder and manually copied folders.

**CM-MISDK (C# Version) Reference Manual****3. SDK Overview****3.1 Function list**

The following processing can be performed with the SDK.

<b>Connect/disconnect</b>		
	<a href="#">Connect</a>	Connect to the instrument
	<a href="#">Disconnect</a>	Ends the connection with the instrument.
	<a href="#">GetDeviceList</a>	Obtains the list of connectible instruments.
	<a href="#">GetInstrumentInfo</a>	Obtains the instrument information.
	<a href="#">GetSDKVersion</a>	Obtains the SDK version.
<b>Calibrate/measure</b>		
	<a href="#">GetCalibrationStatus</a>	Obtains the calibration status.
	<a href="#">PerformZeroCalibration</a>	Executes zero calibration.
	<a href="#">PerformWhiteCalibration</a>	Executes white calibration.
	<a href="#">PerformGlossCalibration</a>	Executes gloss calibration.
	<a href="#">PerformUserCalibration</a>	Executes user calibration.
	<a href="#">PerformMeasurement</a>	Executes the measurement.
	<a href="#">PollingMeasurement</a>	Judges if the measurement is complete.
	<a href="#">CancelMeasurement</a>	Cancels measurement.
	<a href="#">ReadLatestData</a>	Reads the latest data.
	<a href="#">ReadAllLatestData</a>	Reads all of the latest data.
	<a href="#">SetWhiteCalibrationData</a>	Sets the white calibration plate data.
	<a href="#">GetWhiteCalibrationData</a>	Obtains the white calibration plate data.
	<a href="#">SetGlossCalibrationData</a>	Sets the gloss calibration plate data.
	<a href="#">GetGlossCalibrationData</a>	Obtains the gloss calibration plate data.
	<a href="#">SetUserCalibrationData</a>	Sets the user calibration plate data.
	<a href="#">GetUserCalibrationData</a>	Obtains the user calibration plate data.
	<a href="#">SetUserCalibrationEnable</a>	This function enables and disables user calibration.
	<a href="#">GetUserCalibrationEnable</a>	This function obtains the user calibration enabled or disabled state.
	<a href="#">SetTriggerMode</a>	Sets the trigger mode.
	<a href="#">GetTriggerMode</a>	Obtains the trigger mode.
	<a href="#">DeleteTriggerData</a>	Deletes the trigger mode data.
	<a href="#">IsThereTriggerData</a>	Obtains the availability of trigger mode data.
	<a href="#">GetZeroCalibrationDate</a>	Obtains the zero calibration date and time.
	<a href="#">GetWhiteCalibrationDate</a>	Obtains the white calibration date and time.
	<a href="#">GetGlossCalibrationDate</a>	Obtains the gloss calibration date and time.
	<a href="#">GetUserCalibrationDate</a>	Obtains the user calibration date and time.
	<a href="#">ClearUvAdjustInfo</a>	Clears various data for fluorescence adjustment.
	<a href="#">SetProfileForUvAdjust</a>	Sets the fluorescence adjustment profile.
	<a href="#">GetProfileForUvAdjust</a>	Obtains the fluorescence adjustment profile.
	<a href="#">SetWiForUvAdjust</a>	Sets the WI for fluorescence adjustment.
	<a href="#">GetWiForUvAdjust</a>	Obtains the WI for fluorescence adjustment.
	<a href="#">SetTintForUvAdjust</a>	Sets the Tint for fluorescence adjustment.
	<a href="#">GetTintForUvAdjust</a>	Obtains the Tint for fluorescence adjustment.
	<a href="#">SetIsoBrightnessForUvAdjust</a>	Sets the ISO brightness for fluorescence adjustment.
	<a href="#">GetIsoBrightnessForUvAdjust</a>	Obtains the ISO brightness for fluorescence adjustment.
	<a href="#">SetGanzForUvAdjust</a>	Sets the Ganz & Griesser for fluorescence adjustment.
	<a href="#">GetGanzForUvAdjust</a>	Obtains the Ganz & Griesser for fluorescence adjustment.
	<a href="#">SetDataForUvAdjust</a>	Sets the data for fluorescence adjustment.
	<a href="#">GetDataForUvAdjust</a>	Obtains the data for fluorescence adjustment.

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	<a href="#">PerformUvAdjust</a>	Executes fluorescence adjustment and sets the coefficient.
	<a href="#">PerformUvAdjustUsingData</a>	Executes fluorescence adjustment and sets the coefficient.
	<a href="#">ClearCoefForUvAdjust</a>	Clears the fluorescence coefficient in the instrument.
	<a href="#">SetCoefForUvAdjust</a>	Sets the fluorescence coefficient.
	<a href="#">GetCoefForUvAdjust</a>	Obtains the fluorescence coefficient.
<b>Measurement Conditions</b>		
	<a href="#">SetMeasurementArea</a>	Sets the measurement area.
	<a href="#">GetMeasurementArea</a>	Obtains the measurement area.
	<a href="#">SetMeasurementType</a>	Sets the measurement type.
	<a href="#">GetMeasurementType</a>	Obtains the measurement type.
	<a href="#">SetMeasurementAngle</a>	Sets the measurement angle.
	<a href="#">GetMeasurementAngle</a>	Obtains the measurement angle.
	<a href="#">SetTiltDetection</a>	Sets tilt detection.
	<a href="#">GetTiltDetection</a>	Obtains tilt detection.
	<a href="#">SetMeasurementMode</a>	Sets the measurement mode.
	<a href="#">GetMeasurementMode</a>	Obtains the measurement mode.
	<a href="#">SetSpecularComponent</a>	Sets the specular component.
	<a href="#">GetSpecularComponent</a>	Obtains the specular component.
	<a href="#">SetUv</a>	Sets the UV condition.
	<a href="#">GetUv</a>	Obtains the UV condition.
	<a href="#">SetAutoAverageTimes</a>	Sets the number of times of automatic averaging.
	<a href="#">GetAutoAverageTimes</a>	Obtains the number of times of automatic averaging.
	<a href="#">SetManualAverageTimes</a>	Sets the number of times of manual averaging.
	<a href="#">GetManualAverageTimes</a>	Obtains the number of times of manual averaging.
	<a href="#">SetManualAverageSaveMode</a>	Sets the manual averaging save method.
	<a href="#">GetManualAverageSaveMode</a>	Obtains the manual averaging save method.
	<a href="#">SetCondSMC</a>	Sets the SMC conditions.
	<a href="#">GetCondSMC</a>	Obtains the SMC conditions.
<b>Display conditions</b>		
	<a href="#">SetDisplayType</a>	Sets the display type.
	<a href="#">GetDisplayType</a>	Obtains the display type.
	<a href="#">SetObserverAndIlluminant</a>	Sets the observation field and illuminant.
	<a href="#">GetObserverAndIlluminant</a>	Obtains the observation field and illuminant.
	<a href="#">SetUserIlluminant</a>	Sets the user illuminant data.
	<a href="#">GetUserIlluminant</a>	Obtains the user illuminant data.
	<a href="#">SetColorSpace</a>	Sets the color space.
	<a href="#">GetColorSpace</a>	Obtains the color space.
	<a href="#">SetEquation</a>	Sets the color difference equation.
	<a href="#">GetEquation</a>	Obtains the color difference equation.
	<a href="#">SetCustomItem</a>	Sets the custom items.
	<a href="#">GetCustomItem</a>	Obtains the custom items.
	<a href="#">SetDisplayData</a>	Sets the irradiation direction of data to display.
	<a href="#">GetDisplayData</a>	Obtains the irradiation direction of data to display.
	<a href="#">SetUserEquation</a>	Sets the user index.
	<a href="#">GetUserEquation</a>	Obtains the user index.
<b>Data</b>		
	<a href="#">SetActiveTarget</a>	Sets the active target.
	<a href="#">GetActiveTarget</a>	Obtains the active target.
	<a href="#">GetTargetNumberList</a>	Obtains the list of saved target numbers.
	<a href="#">GetTargetNumberList2</a>	Obtains the list of target numbers when the

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		display filter is applied.
	<a href="#">DeleteTargetData</a>	Deletes the target data.
	<a href="#">SetTargetData</a>	Sets the target data.
	<a href="#">GetTargetData</a>	Obtains the target data.
	<a href="#">GetAllTargetData</a>	Obtains the target data.
	<a href="#">SetToleranceForTarget</a>	Sets the target tolerance data.
	<a href="#">GetToleranceForTarget</a>	Obtains the target tolerance data.
	<a href="#">SetParametricForTarget</a>	Sets the parametric coefficient for a target color.
	<a href="#">GetParametricForTarget</a>	Obtains the parametric coefficient for a target color.
	<a href="#">SetTargetFilter</a>	Sets the target filter conditions.
	<a href="#">GetTargetFilter</a>	Obtains the target filter conditions.
	<a href="#">SetTargetProtect</a>	Sets target protection.
	<a href="#">GetTargetProtect</a>	Obtains target protection.
	<a href="#">GetSampleCount</a>	Obtains the number of saved measurement values.
	<a href="#">DeleteSampleData</a>	Deletes measurement value data.
	<a href="#">GetSampleData</a>	Obtains the measurement data.
	<a href="#">GetAllSampleData</a>	Obtains the measurement data.
<b>Others</b>		
	<a href="#">SetActiveGroup</a>	Sets the active group.
	<a href="#">GetActiveGroup</a>	Obtains the active group.
	<a href="#">SetGroupName</a>	Sets the group name.
	<a href="#">GetGroupName</a>	Obtains the group name.
	<a href="#">SetMultipleGroupName</a>	Sets multiple group names in batch.
	<a href="#">GetMultipleGroupName</a>	Obtains multiple group names in batch.
	<a href="#">SetTolerance</a>	Sets the default tolerance.
	<a href="#">GetTolerance</a>	Obtains the default tolerance.
	<a href="#">SetParametric</a>	Sets the default parametric coefficient.
	<a href="#">GetParametric</a>	Obtains the default parametric coefficient.
	<a href="#">SetWarningLevel</a>	Sets the warning level.
	<a href="#">GetWarningLevel</a>	Obtains the warning level.
	<a href="#">SetInstrumentMode</a>	Sets the instrument mode.
	<a href="#">GetInstrumentMode</a>	Obtains the instrument mode.
	<a href="#">SetUserType</a>	Sets the user type.
	<a href="#">GetUserType</a>	Obtains the user type.
	<a href="#">SetAdminPassword</a>	Sets the administrator password.
	<a href="#">GetAdminPassword</a>	Obtains the administrator password.
	<a href="#">SetAutoPrint</a>	Sets automatic printing.
	<a href="#">GetAutoPrint</a>	Obtains the automatic printing setting.
	<a href="#">SetBrightness</a>	Sets the brightness of the display.
	<a href="#">GetBrightness</a>	Obtains the brightness of the display.
	<a href="#">SetScreenDirection</a>	Sets the direction of the display.
	<a href="#">GetScreenDirection</a>	Obtains the direction of the display.
	<a href="#">SetSound</a>	Sets the sound.
	<a href="#">GetSound</a>	Obtains the sound.
	<a href="#">SetCalibrationInterval</a>	Sets the calibration interval.
	<a href="#">GetCalibrationInterval</a>	Obtains the calibration interval.
	<a href="#">SetAnnualCalibration</a>	Sets the periodical calibration notice.
	<a href="#">GetAnnualCalibration</a>	Obtains the periodical calibration notice.
	<a href="#">SetDateTime</a>	Sets the date and time.
	<a href="#">SetDateFormat</a>	Sets the date format.
	<a href="#">GetDateFormat</a>	Obtains the date format.
	<a href="#">SetLanguage</a>	Sets the display language.
	<a href="#">GetLanguage</a>	Obtains the display language.
	<a href="#">SetAutoPowerOff</a>	Sets power saving mode.
	<a href="#">GetAutoPowerOff</a>	Obtains power saving mode.



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	<a href="#">ClearJobInfo</a>	Clears job information.
	<a href="#">SetJobInfo</a>	Sets job information.
	<a href="#">GetJobInfo</a>	Obtains job information.
	<a href="#">GetJobStepType</a>	Obtains the step type of the job.
	<a href="#">SetJobStepForOperation</a>	Sets an operation step of the job.
	<a href="#">GetJobStepForOperation</a>	Obtains an operation step of the job.
	<a href="#">SetJobStepForResult</a>	Sets a result step of the job.
	<a href="#">GetJobStepForResult</a>	Obtains a result step of the job.
	<a href="#">SetJobImage</a>	Sets job images.
	<a href="#">GetJobImage</a>	Obtains job images.
	<a href="#">ResetToFactorySetting</a>	Resets the settings to factory default.

**CM-MISDK (C# Version) Reference Manual****3.2 Basic processing flow****3.2.1 Measurements****3.2.1.1 Measurements using the SDK****Connect (4.2)**

Connect

**Set measurement conditions (4.4)****Calibrate (4.3)**

PerformZeroCalibration

PerformWhiteCalibration

PerformGlossCalibration

**Measure (4.3)**

PerformMeasurement

PollingMeasurement

Monitor by polling until the  
measurement has completed.

**Get data (4.3)**

ReadLatestData

**Disconnect (4.2)**

DisConnect

**Terminate**

**CM-MISDK (C# Version) Reference Manual****3.2.1.2 Measurements using an instrument key****Connect (4.2)**

Connect

**Set measurement conditions (4.4)****Calibrate (4.3)**

PerformZeroCalibration

PerformWhiteCalibration

PerformGlossCalibration

**Measure (4.3)**

SetTriggerMode

DeleteTriggerData

To repeat the operation, clear the previously obtained data.

Press the measure key on the instrument.

IsThereTriggerData

Monitor by polling until the data can be readied.

**Get data (4.3)**

ReadAllLatestData

ReadLatestData

**Disconnect (4.2)**

Disconnect

**Terminate**

**CM-MISDK (C# Version) Reference Manual****3.2.2 Target writing (when new)****Connect (4.2)**

Connect

**Data**

SetTargetData

SetToleranceForTarget

SetParametricForTarget

The default tolerances and default parametric coefficients are used if tolerances and parametric coefficients are not set.

**Disconnect**

DisConnect

**Terminate****3.2.3 Default tolerance setting****Connect (4.2)**

Connect

**Data**

SetTolerance

SetParametric

**Disconnect**

DisConnect

**Terminate**

**CM-MISDK (C# Version) Reference Manual****3.2.4 Job name****Connect (4.2)**

Connect

**Data**

ClearJobInfo

Always clear the job info when redoing the job from the beginning.

SetJobInfo

Set the basic job information, such as number of steps.

SetJobStepForOperation

SetJobStepForResult

SetJobImage

Register content for the number of steps set in the job information.

Register images in only the amount required.

**Disconnect**

Disconnect

**Terminate**

**CM-MISDK (C# Version) Reference Manual****3.2.5 Fluorescence Adjustment****Connect (4.2)**

Connect

**Calibrate (4.3)**

PerformZeroCalibration

PerformWhiteCalibration

PerformGlossCalibration

**Prepare for fluorescence adjustment**

SetMeasurementType

SetMeasurementArea

SetMeasurementMode

SetSpecularComponent

SetUv

Sets the measurement conditions for executing fluorescence adjustment.

ClearUvAdjustInfo

SetProfileForUvAdjust

SetWiForUvAdjust

SetTintForUvAdjust

SetIsoBrightnessForUvAdjust

SetGanzForUvAdjust

Sets the necessary reference data according to the fluorescence adjustment mode used.

**Performing fluorescence adjustment and writing results to instrument**

[When not using Ganz &amp; Griesser method]

ClearCoefForUvAdjust

PerformUvAdjust

Performs measurement under the current conditions to calculate the fluorescence coefficient, which is then written to the instrument.

**CM-MISDK (C# Version) Reference Manual**

---

[When using Ganz & Griesser method]

SetDataForUvAdjust

Sets all measurement data required for fluorescence adjustment.

ClearCoefForUvAdjust

PerformUvAdjustUsingData

Calculates the fluorescent coefficient using input data, and writes the coefficient to the instrument.  
Can be used for methods other than Ganz & Griesser.

---

[When coefficients are available]

ClearCoefForUvAdjust

SetCoefForUvAdjust

Sets the necessary coefficients according to the conditions and fluorescence adjustment mode used.

---

**Disconnect**

Disconnect

---

**Terminate**

**CM-MISDK (C# Version) Reference Manual****3.3 How to create programs with the SDK****3.3.1 Using the SDK from a Development Environment**

This section describes how to use the SDK with Visual Studio 2013 as an example.

- (1) Create a C++ application project (referred to as "the project").
- (2) Place "CMMISDK\_\*\*\*.dll" and "CMMISDK.NET.dll" in either of the following locations.
  - Execution folder of the application that will be created
  - Folder set as an environment path
- (3) Add "CMMISDK.NET.dll" with "Add Reference".
- (4) Create and build an application that uses the SDK.

**3.3.2 Sample Code Overview**

Three types of sample code have been prepared for this SDK.

- (1) PerformMeasurement: Calibrate, measure, and get measurement data
- (2) ReadSampleData: Get saved measurement data
- (3) WriteTargetData: Write target data

Refer to the sample code for the specific implementation methods.



**CM-MISDK (C# Version) Reference Manual****4. SDK Reference****4.1 Format of SDK functions****4.1.1 Format**

The functions in the SDK are described using the following format.

**Format:**

Describes the format of the function.

**Arguments:**

Describes the arguments of the function.

**Return Value:**

Describes the return value that is returned when the function is used.

There are three types of return values.

Type	
Success	Returned when the processing was successful.
Error	Returned when the processing failed.
Warning	Returned when the processing was successful, but with restrictions.

**Description:**

Describes necessary information and precautions when using the function.

**CM-MISDK (C# Version) Reference Manual****4.1.2 Return values**

All methods return the following return value class.

**ReturnMessage****Overview:**

The class used as the return value of the methods.

**Format:**

```
class ReturnMessage
{
    Int32      errorCode;
    List<string> errorMessage;
}
```

**Variable:**

Variable	Explanation
errorCode	Error code
errorMessage	Error message * If the error code indicates no error or if there is a warning, they are stored in this list.

**Description:**

Use the error code and message to identify the error.

**CM-MISDK (C# Version) Reference Manual****4.2 Connect/disconnect**

**Connect:** Connects the computer to the instrument connected to the specified virtual COM port.

**Format:**

[ReturnMessage](#) Connect(Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
comPort	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This method connects the computer to the instrument that is connected to the specified virtual COM port.

When 0 is specified for comPort (or when no argument is specified), [GetDeviceList](#) is automatically called and a connection is established with the instrument with the smallest COM port number.

Then specify 0 for comPort in the other methods to use the virtual COM port number of the instrument that was connected using Connect().

\* When using a Bluetooth connection, you cannot set comPort to 0. You must specify comPort to make the connection.

**CM-MISDK (C# Version) Reference Manual**

**Disconnect:** Ends the communication with the instrument connected to the specified virtual COM port.

**Format:**

[ReturnMessage](#) Disconnect(Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
comPort	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

If there was an error, turn off the power to the instrument and disconnect it.

**CM-MISDK (C# Version) Reference Manual****GetDeviceList: Obtains the list of instruments connected to the PC.****Format:**

[ReturnMessage](#) GetDeviceList(out Dictionary<Int32, string> deviceList, bool isAll=false)

**Arguments:**

Name	I/O	Explanation
deviceList	O	Instrument list
		key COM port number
		value Model name (Unit number)
		E.g.) When a CM-25cG with unit number 1000001 is connected to COM3
isAll	I	key 3
		value CM-25cG(1000001)
		Search target range
		false Search USB only
		true Search both USB and Bluetooth

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the PC.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This method obtains the list of instruments connected to the PC.

If isAll=true, the search will be performed on all available ports, so this processing will take some time.  
To use USB only, search with isAll=false.

Note that instruments that have their COM ports opened using other software are not listed.

**CM-MISDK (C# Version) Reference Manual****GetInstrumentInfo: Obtains the instrument information.****Format 1:**

[ReturnMessage](#) GetInstrumentInfo(out [InstrumentInfo](#) info, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
instrumentInfo	O	Instrument information
comport	I	Virtual COM Port number

**Format 2:**

[ReturnMessage](#) GetInstrumentInfo(out [InstrumentInfoEx](#) info, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
instrumentInfo	O	Instrument information
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This method obtains the instrument information.

Format 1 and format 2 can be used with all supported instruments.

**GetSDKVersion: Obtains the SDK version.****Format:**

[ReturnMessage](#) GetSDKVersion(out string version)

**Arguments:**

Name	I/O	Explanation
version	O	Version (x.x.x.x)

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function obtains the SDK version.

**CM-MISDK (C# Version) Reference Manual****4.3 Calibration and measurement****GetCalibrationStatus: Obtains the calibration status.****Format:**[ReturnMessage](#) GetCalibrationStatus(out [CalStatus](#) calStatus, Int32 comPort = 0)**Arguments:**

Name	I/O	Explanation
calStatus	O	Calibration status
comPort	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function gets the calibration status.

Execute measurements after checking the calibration status and performing calibration if necessary.

The calibration status is managed for each condition type (e.g. measurement area, specular component).

This method obtains the calibration status based on the conditions set to the instrument.

**CM-MISDK (C# Version) Reference Manual****PerformZeroCalibration: Executes zero calibration.****Format:**

[ReturnMessage](#) PerformZeroCalibration (Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
comPort	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErConnectFailed</a>	Execute Connect.
<a href="#">KmErCalibration</a>	Calibration was not executed in the correct procedure.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This command executes zero calibration.

Because the response is not returned until the zero calibration is complete, set the time-out value to 20 seconds or more.

If the zero calibration fails, the normal state immediately before the zero calibration is attempted is maintained.

Zero calibration does not need to be performed each time, but it should be performed when the measurement environment changes greatly and when the instrument has not be used for a long period of time.



**CM-MISDK (C# Version) Reference Manual****PerformWhiteCalibration: Executes white calibration.****Format:**

[ReturnMessage](#) PerformWhiteCalibration(Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
comPort	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErConnectFailed</a>	Execute Connect.
<a href="#">KmErCalibration</a>	Calibration was not executed in the correct procedure.
<a href="#">KmErCalibrationRequired</a>	Necessary calibration was not executed beforehand.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function executes white calibration. Check the IDs of the white calibration plates, and use the matching plate.

Because the response is not returned until the white calibration is complete, set the time-out value to 20 seconds or more.

If the white calibration fails, the normal state immediately before the white calibration is attempted is maintained.

Because the calibration status is managed for each condition type (e.g. measurement area, specular component), re-calibration may be required if any condition is changed.

Use [GetCalibrationStatus](#) to determine whether calibration is necessary.

If no white calibration plate data is set, use [SetWhiteCalibrationData](#) to set the data.

**CM-MISDK (C# Version) Reference Manual****PerformGlossCalibration: Executes gloss calibration.****Format:**

[ReturnMessage](#) PerformGlossCalibration(Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
comPort	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.
<a href="#">KmErCalibration</a>	Calibration was not executed in the correct procedure.
<a href="#">KmErCalibrationRequired</a>	Necessary calibration was not executed beforehand.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	×	✓	×	×	×

**Description:**

This function executes gloss calibration. Check the IDs of the gloss calibration plates, and use the matching plate.

Because the response is not returned until the gloss calibration is complete, set the time-out value to 20 seconds or more.

If the gloss calibration fails, the normal state immediately before the gloss calibration is attempted is maintained.

Because the calibration status is managed for each condition type (e.g. measurement area, specular component), re-calibration may be required if any condition is changed.

Use [GetCalibrationStatus](#) to determine whether calibration is necessary.

If no gloss calibration plate data is set, use [SetGlossCalibrationData](#) to set the data.

**CM-MISDK (C# Version) Reference Manual****PerformUserCalibration: Executes user calibration.****Format:**

[ReturnMessage](#) PerformUserCalibration(Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
comPort	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.
<a href="#">KmErCalibration</a>	Calibration was not executed in the correct procedure.
<a href="#">KmErCalibrationRequired</a>	Necessary calibration was not executed beforehand.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	×	✓	✓	✓	×

**Description:**

This function executes user calibration. Check the IDs of the user calibration plates, and use the matching plate.

Because the response is not returned until the user calibration is complete, set the time-out value to 20 seconds or more.

If the user calibration fails, the normal state immediately before the user calibration is attempted is maintained.

Because the calibration status is managed for each condition type (e.g. measurement area, specular component), re-calibration may be required if any condition is changed.

Use [GetCalibrationStatus](#) to determine whether calibration is necessary.

If no user calibration plate data is set, use [SetUserCalibrationData](#) to set the data.

**CM-MISDK (C# Version) Reference Manual****PerformMeasurement: Executes the measurement.****Format:**

[ReturnMessage](#) PerformMeasurement (Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
comPort	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function executes the measurement.

This function returns a response when the measurement starts.

Use [PollingMeasurement](#) to determine the completion of the measurement, and after the measurement is complete, use [ReadLatestData](#) to get data.

When this method is completed successfully and measurement starts, the retained measurement data is cleared. For this reason, the previous data cannot be retrieved in case measurement fails.

**CM-MISDK (C# Version) Reference Manual****PollingMeasurement: Obtains the measurement status.****Format:**

[ReturnMessage](#) PollingMeasurement(out [MeasStatus](#) measStatus, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
measStatus	O	Measurement status
comPort	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErConnectFailed</a>	Execute Connect.
<a href="#">KmErCalibrationRequired</a>	Necessary calibration was not executed beforehand.
<a href="#">KmErTileDetection</a>	The instrument could not measure correctly because it is tilted.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function gets the measurement status.

After verifying that the status has changed from 'measuring' to 'idling,' use [ReadLatestData](#) to retrieve data.

**CM-MISDK (C# Version) Reference Manual****CancelMeasurement: Stops the measurement.****Format:**

[ReturnMessage](#) CancelMeasurement (Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
comPort	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function stops the measurement.

It can be used when the number of times of automatic averaging is set to multiple times using [SetAutoAverageTimes](#).

If this method is executed when a measurement is not being executed, it will be completed successfully.

**CM-MISDK (C# Version) Reference Manual****ReadLatestData: Obtains the latest measurement data.****Format 1:**

[ReturnMessage](#) ReadLatestData([DataForm](#) dataForm, [SpecData](#) measurementData, Int32 comPort = 0)

**Format 2:**

[ReturnMessage](#) ReadLatestData([DataForm](#) dataForm, [ColorValue](#) measurementData, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
dataForm	I	Data type
measurementData	I/O	Measurement data
comPort	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErConnectFailed</a>	Execute Connect.
<a href="#">KmErNoData</a>	No data

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function retrieves the latest measurement data.

The retrieved data includes the reflection rate and color value. For a color value, the color space must be selected in ColorValue.

After using [PollingMeasurement](#) and verifying that the status has changed from 'measuring' to 'idling,' use this method to retrieve the data.

\* For Format 2, this function obtains the color values based on the conditions set to the instrument. However, color values cannot be obtained when using a user-prepared illuminant.

\* For the 26dG/26d/25d/23d

Opacity measurement is standalone only. If the measurement mode is opacity, the instrument operates in the following states.

26dG	MeasModeColorAndGloss
26d	MeasModeColorOnly
25d	MeasModeColorOnly
23d	MeasModeColorOnly

**CM-MISDK (C# Version) Reference Manual****ReadAllLatestData: Reads all of the latest data.****Format 1:**

[ReturnMessage](#) ReadAllLatestData(out Dictionary<MeasDataType, List<double>> measurementData, Int32 comPort = 0)

**Format 2:**

[ReturnMessage](#) ReadAllLatestData([MeasDataColor](#) measurementData, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
measurementData	I/O	Measurement data
comPort	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErConnectFailed</a>	Execute Connect.
<a href="#">KmErNoData</a>	No data

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

Reads all of the latest data.

The retrieved data includes the reflection rate and color value. For a color value, the color space must be selected in ColorValue.

After using [PollingMeasurement](#) and verifying that the status has changed from 'measuring' to 'idling,' use this method to retrieve the data.

Use of this function instead of [ReadLatestData](#) is recommended when collectively acquiring data because all measurement data can be acquired at once.

\* For Format 2, this function obtains the color values based on the conditions set to the instrument. However, color values cannot be obtained when using a user-prepared illuminant.

\* For the 26dG/26d/25d/23d

Opacity measurement is standalone only. If the measurement mode is opacity, the instrument operates in the following states.

26dG	MeasModeColorAndGloss
26d	MeasModeColorOnly
25d	MeasModeColorOnly
23d	MeasModeColorOnly



**CM-MISDK (C# Version) Reference Manual****SetWhiteCalibrationData: Sets the white calibration data.****Format 1:**

[ReturnMessage](#) SetWhiteCalibrationData([MeasArea](#) area, [DataForm](#) dataForm, [ColorCalData](#) calData, Int32 comPort = 0)

**Format 2:**

[ReturnMessage](#) SetWhiteCalibrationData([CalDataType](#) dataForm, [ColorCalData](#) calData, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
area	I	Measurement area
dataForm	I	Data type
calData	I	Calibration data * The calibration plate ID will be overwritten by the ID that was last set.
comPort	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function sets the white calibration data.

White calibration is executed using the data set via this function.

Format 1 can be used only with the CM-25cG and CM-M6. Format 2 can be used with all supported instruments.

\* When using the CM-M6 with format 1, enter the data for both irradiation directions LEFT and RIGHT.

The measurement area information is ignored.

**CM-MISDK (C# Version) Reference Manual****GetWhiteCalibrationData: Obtains the white calibration data.****Format 1:**

[ReturnMessage](#) GetWhiteCalibrationData([MeasArea](#) area, [DataForm](#) dataForm, [ColorCalData](#) calData, Int32 comPort = 0)

**Format 2:**

[ReturnMessage](#) GetWhiteCalibrationData([CalDataType](#) dataForm, [ColorCalData](#) calData, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
area	I	Measurement area
dataForm	I	Data type
calData	O	Calibration data
comPort	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function obtains the white calibration data.

Format 1 can be used only with the CM-25cG and CM-M6. Format 2 can be used with all supported instruments.

\* When using the CM-M6 with format 1, obtain the data for both irradiation directions LEFT and RIGHT. The measurement area information is ignored.

**CM-MISDK (C# Version) Reference Manual****SetGlossCalibrationData: Sets the gloss calibration data.****Format:**

[ReturnMessage](#) SetGlossCalibrationData([MeasArea](#) area, [GlossCalData](#) calData, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
area	I	Measurement area
calData	I	Calibration data
comPort	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	x	✓	x	x	x

**Description:**

This function sets the gloss calibration data.

Gloss calibration is executed using the data set via this function.

**GetGlossCalibrationData: Obtains the gloss calibration data.****Format:**

[ReturnMessage](#) GetGlossCalibrationData([MeasArea](#) area, [GlossCalData](#) calData, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
area	I	Measurement area
calData	O	Calibration data
comPort	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	x	✓	x	x	x

**Description:**

This function obtains the gloss calibration data.

**CM-MISDK (C# Version) Reference Manual****SetUserCalibrationData: Sets the user calibration data.****Format 1:**

[ReturnMessage](#) SetUserCalibrationData([MeasArea](#) area, [UserCalData](#) calData, Int32 comPort = 0)

**Format 2:**

[ReturnMessage](#) SetUserCalibrationData([CalDataType](#) dataForm, [UserCalData2](#) calData, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
area	I	Measurement area
dataForm	I	Data type
calData	I	Calibration data
comPort	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	×	✓	✓	✓	×

**Description:**

This function sets the user calibration data.

User calibration is executed using the data set via this function.

Format 1 can be used only with the CM-25cG. Format 2 can be used with all supported instruments.

**CM-MISDK (C# Version) Reference Manual****GetUserCalibrationData: Obtains the user calibration data.****Format 1:**

[ReturnMessage](#) GetUserCalibrationData([MeasArea](#) area, [UserCalData](#) calData, Int32 comPort = 0)

**Format 2:**

[ReturnMessage](#) GetUserCalibrationData([CalDataType](#) dataForm, [UserCalData2](#) calData, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
area	I	Measurement area
dataForm	I	Data type
calData	O	Calibration data
comPort	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	×	✓	✓	✓	×

**Description:**

This function obtains the user calibration data.

Format 1 can be used only with the CM-25cG. Format 2 can be used with all supported instruments.

**CM-MISDK (C# Version) Reference Manual****SetUserCalibrationEnable: Enables and disables user calibration.****Format:**

[ReturnMessage](#) SetUserCalibrationEnable([OnOff](#) UserCalEnable, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
UserCalEnable	I	User calibration on/off
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	×	✓	✓	✓	×

**Description:**

This function enables and disables user calibration.

If user calibration is turned on, user calibration can be used.

**GetUserCalibrationEnable: Obtains the user calibration enabled or disabled state.****Format:**

[ReturnMessage](#) GetUserCalibrationEnable (out [OnOff](#) UserCalEnable, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
UserCalEnable	O	User calibration on/off
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	×	✓	✓	✓	×

**Description:**

This function obtains the user calibration enabled or disabled state.

**CM-MISDK (C# Version) Reference Manual****SetTriggerMode: Sets the trigger mode.****Format:**

[ReturnMessage](#) SetTriggerMode([OnOff](#) triggerMode, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
triggerMode	I	Trigger mode
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This method sets the trigger mode.

If the trigger mode is turned on, the instrument key can be used as a measurement trigger.

To obtain the data, confirm the availability of the data with [IsThereTriggerData](#), and then use [ReadLatestData](#).

**GetTriggerMode: Obtains the trigger mode.****Overview:**

This method obtains the trigger mode.

**Format:**

[ReturnMessage](#) GetTriggerMode(out [OnOff](#) triggerMode, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
triggerMode	O	Trigger mode
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This method obtains the trigger mode.

**CM-MISDK (C# Version) Reference Manual****DeleteTriggerData: Deletes the trigger mode data.****Format:**

[ReturnMessage](#) DeleteTriggerData(Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This method deletes data measured by the trigger during trigger mode.  
This method executes delete regardless of whether or not there is data.

**IsThereTriggerData: Obtains the availability of trigger mode data.****Format:**

[ReturnMessage](#) IsThereTriggerData(out [IsThereData](#) IsThereData, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
IsThereData	O	Availability of data
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This method returns whether or not there is data measured by the trigger during trigger mode.



**CM-MISDK (C# Version) Reference Manual****GetZeroCalibrationDate: Obtains the zero calibration date and time.****Format:**

[ReturnMessage](#) GetZeroCalibrationDate([DateType](#) dateType, out DateTime date, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
dateType	I	Date/time type
date	O	Zero calibration date/time
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.
<a href="#">KmErCalibrationRequired</a>	Necessary calibration was not executed beforehand.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function obtains the zero calibration date and time.

If calibration was not executed, this function returns [KmErCalibrationRequired](#).

**GetWhiteCalibrationDate: Obtains the white calibration date and time.****Format:**

[ReturnMessage](#) GetWhiteCalibrationDate(out DateTime date, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
date	O	White calibration date/time
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.
<a href="#">KmErCalibrationRequired</a>	Necessary calibration was not executed beforehand.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function obtains the white calibration date and time.

If calibration was not executed, this function returns [KmErCalibrationRequired](#).

**CM-MISDK (C# Version) Reference Manual****GetGlossCalibrationDate: Obtains the gloss calibration date and time.****Format:**

[ReturnMessage](#) GetGlossCalibrationDate(out DateTime date, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
date	O	Gloss calibration date/time
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.
<a href="#">KmErCalibrationRequired</a>	Necessary calibration was not executed beforehand.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	×	✓	×	×	×

**Description:**

This function obtains the gloss calibration date and time.

If calibration was not executed, this function returns [KmErCalibrationRequired](#).

**GetUserCalibrationDate: Obtains the user calibration date and time.****Format:**

[ReturnMessage](#) GetUserCalibrationDate(out DateTime date, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
date	O	User calibration date/time
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.
<a href="#">KmErCalibrationRequired</a>	Necessary calibration was not executed beforehand.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	×	✓	✓	✓	×

**Description:**

This function obtains the user calibration date and time.

If calibration was not executed, this function returns [KmErCalibrationRequired](#).

**CM-MISDK (C# Version) Reference Manual****ClearUvAdjustInfo: Clears various data for fluorescence adjustment.****Format:**

[ReturnMessage](#) ClearUvAdjustInfo(Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	The processing was completed normally.
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument. Or, connection is not established using Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	x	x

\* Dependent on [instrument and version](#).

**Description:**

This function clears various data for fluorescence adjustment.  
Such data includes profile, WI, Tint, ISO brightness, Ganz & Griesser, and fluorescence coefficient/correction value information.

To clear fluorescence coefficient/correction value information in the instrument, use [ClearCoefForUvAdjust](#).

**CM-MISDK (C# Version) Reference Manual****SetProfileForUvAdjust: Sets the fluorescence adjustment profile data.****Format 1:**

[ReturnMessage](#) SetProfileForUvAdjust(List<double> data, Int32 comPort = 0)

**Format 2:**

[ReturnMessage](#) SetProfileForUvAdjust([UvAdjustDataType](#) uvtype, List<double> data, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
uvtype	I	Type of data to be set
data	I	Fluorescence adjustment profile data <div>Value range 0.01 to 200.00</div> *the DataSize number obtained by <a href="#">GetInstrumentInfo</a> is used.
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	The processing was completed normally.
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument. Or, connection is not established using Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
×	×	✓	✓	×	×

\* Dependent on [instrument and version](#).

**Description:**

This function sets the fluorescence adjustment profile data.

For Format 1, this function sets the same value for all data types that can be set.

**CM-MISDK (C# Version) Reference Manual****GetProfileForUvAdjust: Obtains the fluorescence adjustment profile data.****Format 1:**

[ReturnMessage](#) GetProfileForUvAdjust(out List<double> data, Int32 comPort = 0)

**Format 2:**

[ReturnMessage](#) GetProfileForUvAdjust([UvAdjustDataType](#) uvtype, out List<double> data, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
uvtype	I	Type of data to be get
data	O	Fluorescence adjustment profile data *the DataSize number obtained by <a href="#">GetInstrumentInfo</a> is used.
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	The processing was completed normally.
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument. Or, connection is not established using Connect.
<a href="#">KmErNoData</a>	No data

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	x	x

\* Dependent on [instrument and version](#).

**Description:**

This function obtains the fluorescence adjustment profile data.

For Format 1, this function returns the first data for the data type.

**CM-MISDK (C# Version) Reference Manual****SetWiForUvAdjust: Sets the WI for fluorescence adjustment.****Format 1:**

[ReturnMessage](#) SetWiForUvAdjust([UvAdjustIndex](#) data, Int32 comPort = 0)

**Format 2:**

[ReturnMessage](#) SetWiForUvAdjust([UvAdjustDataType](#) uvtype, [UvAdjustIndex](#) data, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
uvtype	I	Type of data to be set
data	I	WI for fluorescence adjustment
		Value range 40.00 to 250.00
		Tolerance range 0.20 to 3.00
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	The processing was completed normally.
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument. Or, connection is not established using Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	x	x

\* Dependent on [instrument and version](#).

**Description:**

This function sets the WI for fluorescence adjustment.

For Format 1, this function sets the same value for all data types that can be set.

**CM-MISDK (C# Version) Reference Manual****GetWiForUvAdjust: Obtains the WI for fluorescence adjustment.****Format 1:**

[ReturnMessage](#) GetWiForUvAdjust([UvAdjustIndex](#) data, Int32 comPort = 0)

**Format 2:**

[ReturnMessage](#) GetWiForUvAdjust([UvAdjustDataType](#) uvtype, [UvAdjustIndex](#) data, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
uvtype	I	Type of data to be get
data	O	WI for fluorescence adjustment
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	The processing was completed normally.
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument. Or, connection is not established using Connect.
<a href="#">KmErNoData</a>	No data

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	x	x

\* Dependent on [instrument and version](#).

**Description:**

This function obtains the WI for fluorescence adjustment.

For Format 1, this function returns the first data for the data type.

**CM-MISDK (C# Version) Reference Manual****SetTintForUvAdjust: Sets the Tint for fluorescence adjustment.****Format 1:**

[ReturnMessage](#) SetTintForUvAdjust([UvAdjustIndex](#) data, Int32 comPort = 0)

**Format 2:**

[ReturnMessage](#) SetTintForUvAdjust([UvAdjustDataType](#) uvtype, [UvAdjustIndex](#) data, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation	
uvtype	I	Type of data to be set	
Data	I	Tint for fluorescence adjustment	
		Value range	-6.00 to 6.00
		Tolerance range	0.05 to 0.30
Comport	I	Virtual COM Port number	

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	The processing was completed normally.
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument. Or, connection is not established using Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	x	x

\* Dependent on [instrument and version](#).

**Description:**

This function sets the Tint for fluorescence adjustment.

For Format 1, this function sets the same value for all data types that can be set.



**CM-MISDK (C# Version) Reference Manual****GetTintForUvAdjust: Obtains the Tint for fluorescence adjustment.****Format 1:**

[ReturnMessage](#) GetTintForUvAdjust([UvAdjustIndex](#) data, Int32 comPort = 0)

**Format 2:**

[ReturnMessage](#) GetTintForUvAdjust([UvAdjustDataType](#) uvtype, [UvAdjustIndex](#) data, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
uvtype	I	Type of data to be get
data	O	Tint for fluorescence adjustment
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	The processing was completed normally.
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument. Or, connection is not established using Connect.
<a href="#">KmErNoData</a>	No data

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	x	x

\* Dependent on [instrument and version](#).

**Description:**

This function obtains the Tint for fluorescence adjustment.

For Format 1, this function returns the first data for the data type.

**CM-MISDK (C# Version) Reference Manual****SetIsoBrightnessForUvAdjust: Sets the ISO brightness for fluorescence adjustment.****Format 1:**

[ReturnMessage](#) SetIsoBrightnessForUvAdjust([UvAdjustIndex](#) data, Int32 comPort = 0)

**Format 2:**

[ReturnMessage](#) SetIsoBrightnessForUvAdjust([UvAdjustDataType](#) uvtype, [UvAdjustIndex](#) data, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
uvtype	I	Type of data to be set
data	I	ISO brightness for fluorescence adjustment
		Value range 40.00 to 250.00
		Tolerance range 0.50 to 3.00
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	The processing was completed normally.
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument. Or, connection is not established using Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	x	x

\* Dependent on [instrument and version](#).

**Description:**

This function sets the ISO brightness for fluorescence adjustment.

For Format 1, this function sets the same value for all data types that can be set.

**CM-MISDK (C# Version) Reference Manual****GetIsoBrightnessForUvAdjust:Obtains the ISO brightness for fluorescence adjustment.****Format 1:**

[ReturnMessage](#) GetIsoBrightnessForUvAdjust([UvAdjustIndex](#) data, Int32 comPort = 0)

**Format 2:**

[ReturnMessage](#) GetIsoBrightnessForUvAdjust([UvAdjustDataType](#) uvtype, [UvAdjustIndex](#) data, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
uvtype	I	Type of data to be get
data	O	ISO brightness for fluorescence adjustment
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	The processing was completed normally.
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument. Or, connection is not established using Connect.
<a href="#">KmErNoData</a>	No data

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	x	x

\* Dependent on [instrument and version](#).

**Description:**

This function obtains the ISO brightness for fluorescence adjustment.

For Format 1, this function returns the first data for the data type.

**CM-MISDK (C# Version) Reference Manual****SetGanzForUvAdjust: Sets the Ganz & Griesser for fluorescence adjustment.****Format 1:**

[ReturnMessage](#) SetGanzForUvAdjust([UvAdjustGG](#) data, Int32 comPort = 0)

**Format 2:**

[ReturnMessage](#) SetGanzForUvAdjust([UvAdjustDataType](#) uvtype, [UvAdjustGG](#) data, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
uvtype	I	Type of data to be set
data	I	Ganz & Griesser for fluorescence adjustment
		WI range 40.00 to 250.00
		Tint range -6.00 to 6.00
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	The processing was completed normally.
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument. Or, connection is not established using Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	x	x

\* Dependent on [instrument and version](#).

**Description:**

This function sets the Ganz & Griesser for fluorescence adjustment.

For Format 1, this function sets the same value for all data types that can be set.

**CM-MISDK (C# Version) Reference Manual****GetGanzForUvAdjust: Obtains the Ganz & Griesser for fluorescence adjustment.****Format 1:**

[ReturnMessage](#) GetGanzForUvAdjust([UvAdjustGG](#) data, Int32 comPort = 0)

**Format 2:**

[ReturnMessage](#) GetGanzForUvAdjust([UvAdjustDataType](#) uvtype, [UvAdjustGG](#) data, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
uvtype	I	Type of data to be get
data	O	Ganz & Griesser for fluorescence adjustment
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	The processing was completed normally.
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument. Or, connection is not established using Connect.
<a href="#">KmErNoData</a>	No data

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	x	x

\* Dependent on [instrument and version](#).

**Description:**

This function obtains the Ganz & Griesser for fluorescence adjustment.

For Format 1, this function returns the first data for the data type.

**CM-MISDK (C# Version) Reference Manual****SetDataForUvAdjust: Sets the data for fluorescence adjustment.****Format:**

[ReturnMessage](#) SetDataForUvAdjust([UvAdjustDataType](#) datatype, Int32 num, List<double> dataFull, List<double> dataCut, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
dataType	I	Data types for fluorescence adjustment
num	I	No. * When not using Ganz & Griesser: "0" only * When using Ganz & Griesser: "0" to "3" or "0" to "4"
dataFull	I	UV full measurement data Value range 0.00 to 300.00 *the DataSize number obtained by <a href="#">GetInstrumentInfo</a> is used.
dataCut	I	UV cut measurement data Value range 0.00 to 300.00 *the DataSize number obtained by <a href="#">GetInstrumentInfo</a> is used.
Comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	The processing was completed normally.
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument. Or, connection is not established using Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	x	x

\* Dependent on [instrument and version](#).

**Description:**

This function sets the data for fluorescence adjustment.

When using the Ganz & Griesser method, the data must be set by using this API.

**CM-MISDK (C# Version) Reference Manual****GetDataForUvAdjust: Obtains the data for fluorescence adjustment.****Format:**

[ReturnMessage](#) GetDataForUvAdjust([UvAdjustDataType](#) datatype, Int32 num, out List<double> dataFull, out List<double> dataCut, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
dataType	I	Data types for fluorescence adjustment
num	I	No. * When not using Ganz & Griesser: "0" only * When using Ganz & Griesser: "0" to "3" or "0" to "4"
dataFull	O	UV full measurement data *the DataSize number obtained by <a href="#">GetInstrumentInfo</a> is used.
dataCut	O	UV cut measurement data *the DataSize number obtained by <a href="#">GetInstrumentInfo</a> is used.
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	The processing was completed normally.
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument. Or, connection is not established using Connect.
<a href="#">KmErNoData</a>	No data

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	x	x

\* Dependent on [instrument and version](#).

**Description:**

This function obtains the data for fluorescence adjustment.

**CM-MISDK (C# Version) Reference Manual**

**PerformUvAdjust:** Executes fluorescence adjustment and sets the coefficient to the instrument.

**Format:**

[ReturnMessage](#) PerformUvAdjust([CondUvAdjust](#) cond, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
cond	I	Conditions for fluorescence adjustment
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	The processing was completed normally.
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument. Or, connection is not established using Connect.
<a href="#">KmErNoData</a>	The data does not exist (the required data is not available).
<a href="#">KmErUvAdjust</a>	The measurement sample does not contain fluorescence.
<a href="#">KmErCalculateCoef</a>	The fluorescence coefficient cannot be calculated.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	x	x

\* Dependent on [instrument and version](#).

**Description:**

This function executes fluorescence adjustment.

This API executes measurement, calculates the fluorescence coefficient under the specified conditions, and then writes the data to the instrument.

If UVADJ\_GG is specified in the conditions, [KmErInvalidParameter](#) will be returned.

If fluorescence adjustment is performed using the Ganz & Griesser method, [PerformUvAdjustUsingData](#) should be used.



**CM-MISDK (C# Version) Reference Manual**

**PerformUvAdjustUsingData:** Executes fluorescence adjustment and sets the coefficient to the instrument.

**Format:**

[ReturnMessage](#) PerformUvAdjustUsingData([CondUvAdjust](#) cond, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
cond	I	Conditions for fluorescence adjustment
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	The processing was completed normally.
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument. Or, connection is not established using Connect.
<a href="#">KmErNoData</a>	The data does not exist (the required data is not available).
<a href="#">KmErUvAdjust</a>	The measurement sample does not contain fluorescence.
<a href="#">KmErCalculateCoef</a>	The fluorescence coefficient cannot be calculated.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	x	x

\* Dependent on [instrument and version](#).

**Description:**

This function executes fluorescence adjustment.

This API uses the data from [SetDataForUvAdjust](#), calculates the fluorescence coefficient under the specified conditions, and then writes the data to the instrument.

**CM-MISDK (C# Version) Reference Manual**

**ClearCoefForUvAdjust:** Clears the fluorescence adjustment coefficient in the instrument.

**Format:**

[ReturnMessage](#) ClearCoefForUvAdjust(Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	The processing was completed normally.
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument. Or, connection is not established using Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	x	x

\* Dependent on [instrument and version](#).

**Description:**

This function clears the fluorescence adjustment coefficient saved in the instrument.

**CM-MISDK (C# Version) Reference Manual****SetCoeffForUvAdjust: Sets the fluorescence coefficient.****Format:**

[ReturnMessage](#) SetCoeffForUvAdjust([MeasArea](#) area, [UvAdjustDataType](#) uvtype, [CondUvAdjust](#) cond, [UvAdjustCoef](#) coef, Int32 comPort = 0)

**引数 :**

Name	I/O	Explanation
area	I	Measurement area
uvtype	I	Type of data to be set
cond	I	Conditions for fluorescence adjustment
coef	I	Fluorescence adjustment coefficient
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	The processing was completed normally.
<a href="#">KmWarning</a>	The processing was completed normally (there was a warning).
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument. Or, connection is not established using Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
×	×	✓	✓	×	×

\* Dependent on [instrument and version](#).

**Description:**

This function sets the fluorescence coefficient in the instrument.

**CM-MISDK (C# Version) Reference Manual****GetCoefForUvAdjust: Obtains the fluorescence coefficient.****Format:**

[ReturnMessage](#) GetCoefForUvAdjust([MeasArea](#) area, [UvAdjustDataType](#) uvtype, out [CondUvAdjust](#) cond, [UvAdjustCoef](#) coef, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
area	I	Measurement area
uvtype	I	Type of data to be get
cond	O	Conditions for fluorescence adjustment
coef	O	Fluorescence adjustment coefficient
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	The processing was completed normally.
<a href="#">KmWarning</a>	The processing was completed normally (there was a warning).
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument. Or, connection is not established using Connect.
<a href="#">KmErNoData</a>	No data

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	x	x

\* Dependent on [instrument and version](#).

**Description:**

This method obtains the fluorescence coefficient in the instrument.

**CM-MISDK (C# Version) Reference Manual****4.4 Measurement conditions****SetMeasurementArea: Sets the measurement area.****Format:**

[ReturnMessage](#) SetMeasurementArea([MeasArea](#) area, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
area	I	Measurement area
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	x	x	x	x

**Description:**

This function sets the measurement area.

Calibration may be required again when conditions are changed.

Use [GetCalibrationStatus](#) to determine whether calibration is necessary.

**GetMeasurementArea: Obtains the measurement area.****Format:**

[ReturnMessage](#) GetMeasurementArea(out [MeasArea](#) area, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
area	O	Measurement area
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	x	✓	✓	x	x

**Description:**

This function obtains the measurement area.

**CM-MISDK (C# Version) Reference Manual****SetMeasurementType: Sets the measurement type.****Format:**

[ReturnMessage](#) GetMeasurementType([MeasType](#) inType, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
inType	I	Measurement type
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	x	x	x	x

**Description:**

This function sets the measurement type.

Calibration may be required again when conditions are changed.

Use [GetCalibrationStatus](#) to determine whether calibration is necessary.

**GetMeasurementType: Obtains the measurement type.****Format:**

[ReturnMessage](#) GetMeasurementType(out [MeasType](#) outType, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
outType	O	Measurement type
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	x	x	x	x

**Description:**

This function obtains the measurement type.

**CM-MISDK (C# Version) Reference Manual****SetMeasurementAngle: Sets the measurement angle.****Format:**

[ReturnMessage](#) SetMeasurementAngle([MeasAngle](#) angle, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
angle	I	Measurement angle
comPort	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	✓	x	x	x	x

**Description:**

This function sets the measurement angle.

If at least one angle is specified, the angle(s) can be set with any combination.

**GetMeasurementAngle: Obtains the measurement angle.****Format:**

[ReturnMessage](#) GetMeasurementAngle(out [MeasAngle](#) angle, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
angle	O	Measurement angle
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	✓	x	x	x	x

**Description:**

This function obtains the measurement angle.

**CM-MISDK (C# Version) Reference Manual****SetTiltDetection: Sets tilt detection.****Format:**

[ReturnMessage](#) SetTiltDetection([OnOff](#) tilt, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
tilt	I	Tilt detection setting
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	✓	x	x	x	x

**Description:**

This method sets tilt detection.

**GetTiltDetection: Obtains whether tilt detection is enabled or disabled.****Format:**

[ReturnMessage](#) GetTiltDetection(out [OnOff](#) tilt, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
tilt	O	Tilt detection setting
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	✓	x	x	x	x

**Description:**

This function obtains whether tilt detection is enabled or disabled.



**CM-MISDK (C# Version) Reference Manual****SetMeasurementMode: Sets the measurement mode.****Format:**

[ReturnMessage](#) SetMeasurementMode ([MeasCondMode](#) Mode, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
Mode	I	Measurement mode
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	×	✓	✓	✓	✓

**Description:**

This function sets the measurement mode.

Calibration may be required again when conditions are changed.

Use [GetCalibrationStatus](#) to determine whether calibration is necessary.

**GetMeasurementMode: Obtains the measurement mode.****Format:**

[ReturnMessage](#) GetMeasurementMode (out [MeasCondMode](#) Mode, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
Mode	O	Measurement mode
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	×	✓	✓	✓	✓

**Description:**

This function obtains the measurement mode.

**CM-MISDK (C# Version) Reference Manual****SetSpecularComponent: Sets the specular component.****Format:**

[ReturnMessage](#) SetSpecularComponent([MeasCondScie](#) scie, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
scie	I	Specular component
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	✓	✓

**Description:**

This function sets the specular component.

Calibration may be required again when conditions are changed.

Use [GetCalibrationStatus](#) to determine whether calibration is necessary.

**GetSpecularComponent: Obtains the specular component.****Format:**

[ReturnMessage](#) GetSpecularComponent(out [MeasCondScie](#) scie, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
scie	O	Specular component
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	✓	✓

**Description:**

This function obtains the specular component.

**CM-MISDK (C# Version) Reference Manual****SetUv: Sets the UV condition.****Format:**

[ReturnMessage](#) SetUv([MeasCondUv](#) uv, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
uv	I	UV condition
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	x	x

**Description:**

This function sets the UV condition.

**GetUv: Obtains the UV condition.****Format:**

[ReturnMessage](#) GetUv(out [MeasCondUv](#) uv, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
uv	O	UV condition
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	x	x

**Description:**

This function obtains the UV condition.

**CM-MISDK (C# Version) Reference Manual****SetAutoAverageTimes: Sets the number of times of automatic averaging.****Format:**

[ReturnMessage](#) SetAutoAverageTimes(Int32 times, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
times	I	Number of times of automatic averaging (1-10)
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function sets the number of times of automatic averaging.

[PerformMeasurement](#) function executes measurements for the number of times specified in this condition.

**GetAutoAverageTimes: Obtains the number of times of automatic averaging.****Format:**

[ReturnMessage](#) GetAutoAverageTimes(out Int32 times, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
times	O	Number of times of automatic averaging (1-10)
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function obtains the number of times of automatic averaging.

**CM-MISDK (C# Version) Reference Manual****SetManualAverageTimes: Sets the number of times of manual averaging.****Format:**

[ReturnMessage](#) SetManualAverageTimes(Int32 times, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
times	I	Manual average count * The range of the setting is dependent on the instrument and version. Refer to <a href="#">Appendix C</a> .
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function sets the number of times of manual averaging.

This condition is only applied to standalone measurements, and not applied when communication is used.

**GetManualAverageTimes: Obtains the number of times of manual averaging.****Format:**

[ReturnMessage](#) GetManualAverageTimes(out Int32 times, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
times	O	Manual average count
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function obtains the number of times of manual averaging.

**CM-MISDK (C# Version) Reference Manual****SetManualAverageSaveMode: Sets the manual averaging method.****Format:**

[ReturnMessage](#) SetManualAverageSaveMode([SaveMode](#) mode, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
mode	I	Manual averaging save method
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function sets the manual averaging save method.

**GetManualAverageSaveMode: Obtains the manual averaging save method.****Format:**

[ReturnMessage](#) GetManualAverageSaveMode(out [SaveMode](#) mode, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
mode	O	Manual averaging save method
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function obtains the manual averaging save method.

**CM-MISDK (C# Version) Reference Manual****SetCondSMC: Sets the SMC conditions.****Format:**

[ReturnMessage](#) SetCondSMC([MeasCondSMC](#) smc, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
smc	I	SMC conditions
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	✓	x

**Description:**

This function sets the SMC conditions.

This condition is only applied to standalone measurements, and not applied when communication is used.

**GetCondSMC: Obtains the SMC conditions.****Format:**

[ReturnMessage](#) GetCondSMC(out [MeasCondSMC](#) smc, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
smc	O	SMC conditions
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	✓	x

**Description:**

This function obtains the SMC conditions.

**CM-MISDK (C# Version) Reference Manual****4.5 Display conditions****SetDisplayType: Sets the display type.****Format:**

[ReturnMessage](#) SetDisplayType([DisplayType](#) displayType, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
displayType	I	Display Type
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function sets the display type.

The display type can be set with any combination.

Note that settable items are different depending on the model.

**GetDisplayType: Obtains the display type.****Format:**

[ReturnMessage](#) GetDisplayType(out [DisplayType](#) displayType, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
displayType	O	Display Type
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function obtains the display type.



**CM-MISDK (C# Version) Reference Manual****SetObserverAndIlluminant: Sets the observation field and illuminant.****Format:**

[ReturnMessage](#) SetObserverAndIlluminant(Int32 num, [Observer](#) obs, [Illuminant](#) ill, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
num	I	Observation field / illuminant number (0-1)
obs	I	Observer
ill	I	Illuminant
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function sets the observation field and illuminant.

Setting the illuminant to 'None' when the observation field / illuminant number is 1 enables the use of one observation field and illuminant set.

Note that settable items are different depending on the model.

When using a user illuminant, use [SetUserIlluminant](#) to register illuminant data.

**GetObserverAndIlluminant: Obtains the observation field and illuminant.****Format:**

[ReturnMessage](#) GetObserverAndIlluminant(Int32 num, out [Observer](#) obs, out [Illuminant](#) ill, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
num	I	Observation field / illuminant number (0-1)
obs	O	Observer
ill	O	Illuminant
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function obtains the observation field and illuminant.

**CM-MISDK (C# Version) Reference Manual****SetUserIlluminant: Sets the user illuminant.****Format 1:**

[ReturnMessage](#) SetUserIlluminant(List<double> illData, Int32 comPort = 0)

**Format 2:**

[ReturnMessage](#) SetUserIlluminant(List<double> illData, string name, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
illData	I	Illuminant data 85 items of data between 360 to 780 nm at 5-nm pitch
name	I	Name (10 characters max.)
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	×

**Description:**

This function sets the user illuminant.

Set the illuminant data as 85 items of data between 360 to 780 nm (5-nm pitch).

Set "User" when using Format 1 on a model that allows the name to be set.

Ignore the setting when using Format 2 on a model that does not allow the name to be set.

**GetUserIlluminant: Obtains the user illuminant.****Format 1:**

[ReturnMessage](#) GetUserIlluminant(List<double> illData, Int32 comPort = 0)

**Format 2:**

[ReturnMessage](#) GetUserIlluminant(List<double> illData, out string name, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
illData	O	Illuminant data 85 items of data between 360 to 780 nm at 5-nm pitch
name	O	Name
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	×

**Description:**

This function obtains the user illuminant.

**CM-MISDK (C# Version) Reference Manual****SetColorSpace: Sets the color space.****Format:**

[ReturnMessage](#) SetColorSpace([ColorSpace](#) colorSpace, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
colorSpace	I	Color space
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function sets the color space.

Note that settable items are different depending on the model.

**GetColorSpace: Obtains the color space.****Format:**

[ReturnMessage](#) GetColorSpace(out [ColorSpace](#) colorSpace, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
colorSpace	O	Color space
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function obtains the color space.

**CM-MISDK (C# Version) Reference Manual****SetEquation: Sets the color difference equation.****Format:**

[ReturnMessage](#) SetEquation([Equation](#) equation, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
equation	I	Color difference equation
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function sets the color difference equation.

Note that settable items are different depending on the model.

**GetEquation: Obtains the color difference equation.****Format:**

[ReturnMessage](#) GetEquation(out [Equation](#) equation, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
equation	O	Color difference equation
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function obtains the color difference equation.

**CM-MISDK (C# Version) Reference Manual****SetCustomItem: Sets the custom display items.****Format:**

[ReturnMessage](#) SetCustomItem (Int32 customNum, [CustomItem](#) customItem, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
customNum	I	Custom display number (14 numbers, 0-13)
customItem	I	Custom display item
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	×	✓	✓	✓	✓

**Description:**

This function sets the custom display items.

To display custom items, use [SetDisplayType](#) to enable 'custom.'

**GetCustomItem: Obtains the custom display items.****Format:**

[ReturnMessage](#) GetCustomItem(Int32 customNum, out [CustomItem](#) customItem, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
customNum	I	Custom display number (14 numbers, 0-13)
customItem	O	Custom display item
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	×	✓	✓	✓	✓

**Description:**

This function obtains the custom display items.

**CM-MISDK (C# Version) Reference Manual****SetDisplayData: Sets the irradiation direction of data to display.****Format:**

[ReturnMessage](#) SetDisplayData([DisplayData](#) data, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
data	I	Data to display
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	✓	x	x	x	x

**Description:**

This method sets the irradiation direction of data to display.

**GetDisplayData: Obtains the irradiation direction of data to display.****Format:**

[ReturnMessage](#) GetDisplayData (out [DisplayData](#) data, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
data	O	Data being displayed
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	✓	x	x	x	x

**Description:**

This method obtains the irradiation direction of data being displayed.

**CM-MISDK (C# Version) Reference Manual****SetUserEquation: Sets the user index.****Format:**

[ReturnMessage](#) SetUserEquation(Int32 num, string data, string name, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
num	I	User index number (0-2)
data	I	User index
name	I	User classes
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	×	✓	✓	✓	✓

**Description:**

This function sets the user index.

The color space values that can be used for a user index are only the items that are selected in [SetColorSpace](#), [SetEquation](#), and [SetCustomItem](#).

Sample user index: Equivalent to  $\Delta E^*ab$

$\text{SQRT}(\text{POW}([DL]) + \text{POW}([DA]) + \text{POW}([DB]))$

The following variables can be used for a user index.

[L]	L*	[DL]	$\Delta L^*$	[MI]	MI
[A]	a*	[DA]	$\Delta a^*$	[WIE]	WI(E313-73)
[B]	b*	[DB]	$\Delta b^*$	[DWIE]	$\Delta WI(E313-73)$
[C]	C*	[DC]	$\Delta C^*$	[WIC]	WI(CIE)
[H]	h	[DH]	$\Delta H^*$	[DWIC]	$\Delta WI(CIE)$
[HL]	L(Hunter)	[DHL]	$\Delta L$	[TINT]	Tint
[HA]	a(Hunter)	[DHA]	$\Delta a$	[DTINT]	$\Delta Tint$
[HB]	b(Hunter)	[DHB]	$\Delta b$	[YIE]	YI(E313-73)
[X]	X	[DX]	$\Delta X$	[DYIE]	$\Delta YI(E313-73)$
[Y]	Y	[DY]	$\Delta Y$	[YID]	YI(D1925)
[Z]	Z	[DZ]	$\Delta Z$	[DYID]	$\Delta YI(D1925)$
[SX]	x	[DSX]	$\Delta x$	[BISO]	B
[SY]	y	[DSY]	$\Delta y$	[DBISO]	$\Delta B$
[GU]	GU	[DGU]	$\Delta GU$		
[DE]	$\Delta E^*ab$	[DE94]	$\Delta E^*94$	[DEH]	$\Delta E(\text{Hunter})$
[CMC]	CMC	[DE00]	$\Delta E00$		

\* For the CM-26dG/26d/25d/23d, when items are limited by SCI and SCE, add "I" and "E" to the variables.

E.g.) To calculate  $L^*(SCI) + L^*(SCE)$ , set [LI]+[LE].

The operators and functions that can be used for a user index are as follows:

+	[A]+[B]	A+B
-	[A]-[B]	A-B
*	[A]*[B]	A×B
/	[A]/[B]	A÷B

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POW	POW([A])	Square of A
SQRT	SQRT([A])	Square root of A
ABS	ABS([A])	Absolute value of A
SIN	SIN([A])	Sine of A (degree)
COS	COS([A])	Cosine of A (degree)
TAN	TAN([A])	Tangent of A (degree)
ASIN	ASIN([A])	Arcsine (degree)
ACOS	ACOS([A])	Arccosine (degree)
ATAN	ATAN([A])	Arctangent (degree)
LOG	LOG([A])	Common logarithm
LN	LN([A])	Natural logarithm
EXP	EXP([A])	Exponential function
POW2	POW2([A],[B])	Power function (A to the power of B)

Input format of the user classes

CLASS(n, "str1", d1, "str2", d2, "str3", d3, "str4", d4, "str5", ...)

n: Indicates the number of threshold values that separate the classes. (Number of classes - 1). Specify this as a number within 50.

"str1",d1: When the judgment result of the user classes is d1 or higher, "str1" is displayed in the results field of the instrument.

d1 can be numeric value setting of 20 or fewer digits, but the effective digits in the calculation are 5 digits. Enter the threshold values from the left in order of the largest values, and always set a class to be displayed if a value is not classified into a threshold value greater than or equal to all of the threshold values.

The total length of characters that are entered (including CLASS()) must be within 200 single-byte characters.

Leave blank if the user classes will not be used.

Use "." for the decimal point and "," as the separator between parameters.

Input format of the user classes

CLASS(4, "A", 4, "B", 3, "C", 2, "D", 1, "E")

The result of the user index is split into 5 classes.

User index result	Class
4 or higher	A
3 or higher	B
2 or higher	C
1 or higher	D
Less than 1	E



**CM-MISDK (C# Version) Reference Manual****GetUserEquation: Obtains the user index.****Format 1:**

[ReturnMessage](#) GetUserEquation(Int32 num, out string data, out string name, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
num	I	User index number (0-2)
data	O	User index
name	O	User classes
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	×	✓	✓	✓	✓

**Description:**

This function obtains the user index.

**CM-MISDK (C# Version) Reference Manual****4.6 Data****SetActiveTarget: Sets the active target number.****Format:**

[ReturnMessage](#) SetActiveTarget(Int32 num, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
num	I	Target number
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function sets the active target number.

The active target is used as a target number associated for measurements after setting.

**GetActiveTarget: Obtains the active target number.****Format:**

[ReturnMessage](#) GetActiveTarget(out Int32 num, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
num	O	Target number
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function obtains the active target number.

**CM-MISDK (C# Version) Reference Manual****GetTargetNumberList: Obtains the list of saved target numbers.****Format:**

[ReturnMessage](#) GetTargetNumberList (out List<Int32> targetlist, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
targetlist	O	List of registered target numbers
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This method obtains the list of registered target numbers.  
It returns the target numbers of all saved target color data.

**GetTargetNumberList2: This function obtains the list of target numbers when the display filter is applied.****Format:**

[ReturnMessage](#) GetTargetNumberList2 (out List<Int32> targetlist, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
targetlist	O	List of registered target numbers
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	×	✓	✓	✓	✓

**Description:**

This method obtains the list of target numbers when the display filter was applied.

**CM-MISDK (C# Version) Reference Manual****DeleteTargetData: Deletes the target.****Format:**

[ReturnMessage](#) DeleteTargetData(Int32 num, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
num	I	Target number * All targets are cleared when '-1' is specified.
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function deletes the target for the specified number.  
All targets are cleared when '-1' is specified as the number.

**CM-MISDK (C# Version) Reference Manual****SetTargetData: Sets the target data.****Format 1:**

[ReturnMessage](#) SetTargetData(Int32 num, [TargetData](#) target, Int32 comPort = 0)

**Format 2:**

[ReturnMessage](#) SetTargetData(Int32 num, [TargetDataPack](#) target, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
num	I	Target number
target	I	Data
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This method sets the target data for the specified number.  
If the target already exists, it is overwritten.

If data protection is enabled with [SetTargetProtect](#), the target data cannot be set.

Format 1 can be used only with the CM-25cG and CM-M6. Format 2 can be used with all supported instruments.

\* For the CM-M6, six angles must be set as a group.

To exchange color value data, use format 2.

\* With opacity, the color value cannot be registered.

**CM-MISDK (C# Version) Reference Manual****GetTargetData: Obtains the target data.****Format 1:**

[ReturnMessage](#) GetTargetData(Int32 num, [TargetData](#) target, Int32 comPort = 0)

**Format 2:**

[ReturnMessage](#) GetTargetData(Int32 num, [TargetDataPack](#) target, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
num	I	Target number
target	O	Data
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.
<a href="#">KmErNotSupported</a>	Obtaining color value data is not supported. (Use the format 2 method.)

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This method obtains the target data for the specified number.

Format 1 can be used only with the CM-25cG and CM-M6. Format 2 can be used with all supported instruments.

Format 2 can obtain all saved data with one call, so using this method is recommended.

Even for the CM-M6, this method can obtain all data faster than [GetAllTargetData](#).

**Format 1:**

- For the CM-25cG:  
Enter ColorSpace of the ColorValue class.
- For the CM-M6:  
Enter ColorSpace of the ColorValue class.  
Enter DataType and IrradiationDirection of the DataForm class.

**CM-MISDK (C# Version) Reference Manual****GetAllTargetData: Obtains the target data.****Format:**

[ReturnMessage](#) GetAllTargetData(Int32 num, [TargetData](#) target, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
num	I	Target number
target	O	Data
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.
<a href="#">KmErNoData</a>	No data

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	✓	x	x	x	x

**Description:**

This method obtains the target data for the specified number.

\* This method is for the CM-M6 only.

Enter ColorSpace of the ColorValue class.

The calculated values that were obtained are stored in AllAngleValue of ColorValue.

Enter IrradiationDirection of the DataForm class.

Format 2 of [GetTargetData](#) can obtain all saved data with one call, so using that method is recommended. That method can obtain all data in a shorter amount of time than this method.

**CM-MISDK (C# Version) Reference Manual****SetToleranceForTarget: Sets the target tolerance.****Format:**

[ReturnMessage](#) SetToleranceForTarget(Int32 num, Int32 numObsIll, [DataForm](#) dataForm, [ToleranceData](#) tolerance, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
num	I	Target number (1-[Number obtained using GetTargetNumberList])
numObsIll	I	Observation field / illuminant number (0-1)
dataForm	I	Data type
tolerance	I	Tolerance data
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.
<a href="#">KmErNoData</a>	No data

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This method sets the target tolerance for the specified number.

If data protection is enabled with [SetTargetProtect](#), the target data cannot be set.

\* Only Tolerance specified by the key is changed.



**CM-MISDK (C# Version) Reference Manual****GetToleranceForTarget: Obtains the target tolerance.****Format:**

[ReturnMessage](#) GetToleranceForTarget(Int32 num, Int32 numObsIll, [DataForm](#) dataForm, [ToleranceData](#) tolerance, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
num	I	Target number (1-[Number obtained using GetTargetNumberList])
numObsIll	I	Observation field / illuminant number (0-1)
dataForm	I	Data type
tolerance	O	Tolerance data
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.
<a href="#">KmErNoData</a>	No data

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This method obtains the target tolerance for the specified number.

\* Enter Key for the tolerance to obtain and a blank ToleranceParam in the ToleranceData class.

**CM-MISDK (C# Version) Reference Manual****SetParametricForTarget: Sets the parametric coefficient for a target color.****Format:**

[ReturnMessage](#) SetParametricForTarget(Int32 num, [DataForm](#) dataForm, [ParametricCoef](#) parametric, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
num	I	Target number (1-[Number obtained using GetTargetNumberList])
dataType	I	Data type
parametric	I	Parametric coefficient
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.
<a href="#">KmErNoData</a>	No data

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This method sets the target parametric coefficient for the specified number.

If data protection is enabled with [SetTargetProtect](#), the target data cannot be set.

**CM-MISDK (C# Version) Reference Manual****GetParametricForTarget: Obtains the parametric coefficient for a target color.****Format:**

[ReturnMessage](#) GetParametricForTarget(Int32 num, [DataForm](#) dataForm, [ParametricCoef](#) parametric, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
num	I	Target number (1-[Number obtained using GetTargetNumberList])
dataType	I	Data type
parametric	O	Parametric coefficient
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.
<a href="#">KmErNoData</a>	No data

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This method obtains the target parametric coefficient for the specified number.

**CM-MISDK (C# Version) Reference Manual****SetTargetFilter: Sets the target filter conditions.****Format:**

[ReturnMessage](#) SetTargetFilter([FilterIndex](#) index, List<Int32> numGroup, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
index	I	Filter index
numGroup	I	Group number (0-50) * This item is only used when the filter index is 'group.' Otherwise, set this to 0.
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	×	✓	✓	✓	✓

**Description:**

This function sets the target filter conditions.

If the filter is not set to OFF, only the target data with the number that matches the condition is displayed.

**GetTargetFilter: Obtains the target filter conditions.****Format:**

[ReturnMessage](#) GetTargetFilter(out [FilterIndex](#) index, out List<Int32> numGroup, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
index	O	Filter index
numGroup	O	Group number (0-50) * This item is only returned when the filter index is 'group.' Otherwise, it will be 0.
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	×	✓	✓	✓	✓

**Description:**

This function obtains the target filter conditions.

**CM-MISDK (C# Version) Reference Manual****SetTargetProtect: Sets target protection.****Format:**

[ReturnMessage](#) SetTargetProtect([OnOff](#) protect, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
protect	I	Protection ON/OFF
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function sets target protection.

When target protection is turned on, only new measurement (save) operations are allowed.

**GetTargetProtect: Obtains target protection.****Format:**

[ReturnMessage](#) GetTargetProtect(out [OnOff](#) protect, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
protect	O	Protection ON/OFF
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function obtains the target protection setting.

**CM-MISDK (C# Version) Reference Manual****GetSampleCount: Obtains the number of saved measurement values.****Format:**[ReturnMessage](#) GetSampleCount(out Int32 count, Int32 comPort = 0)**Arguments:**

Name	I/O	Explanation
count	O	Number of measurement data
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This method obtains the number of measurement data.

**CM-MISDK (C# Version) Reference Manual****DeleteSampleData: Deletes a measurement value.****Format:**

[ReturnMessage](#) DeleteSampleData(Int32 num, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
num	I	Measurement value number * All targets are cleared when '-1' is specified.
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function deletes the measurement value for the specified number.  
All targets are cleared when '-1' is specified as the number.

**CM-MISDK (C# Version) Reference Manual****GetSampleData: Obtains the measurement data.****Format 1:**

[ReturnMessage](#) GetSampleData(Int32 num, [SampleData](#) sample, Int32 comPort = 0)

**Format 2:**

[ReturnMessage](#) GetSampleData(Int32 num, [SampleDataPack](#) sample, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
num	I	Measurement value number
sample	O	Data
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This method obtains the measurement data for the specified number.

Format 1 can be used only with the CM-25cG and CM-M6. Format 2 can be used with all supported instruments.

Format 2 can obtain all saved data with one call, so using this method is recommended. Even for the CM-M6, this method can obtain all data faster than GetAllSampleData.

**Format 1:**

- For the CM-25cG:

Enter ColorSpace of the ColorValue class.

- For the CM-M6:

Enter ColorSpace of the ColorValue class.

Enter DataType and IrradiationDirection of the DataForm class.



**CM-MISDK (C# Version) Reference Manual****GetAllSampleData: Obtains the measurement data.****Format:**

[ReturnMessage](#) GetAllSampleData(Int32 num, [SampleData](#) sample, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
num	I	Measurement value number
sample	O	Data
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	✓	x	x	x	x

**Description:**

This method obtains the measurement data for the specified number.

\* This method is for the CM-M6 only.

Enter ColorSpace of the ColorValue class.

The calculated values that were obtained are stored in AllAngleValue of the ColorValue class inside the SampleData class.

The spectral reflectance that was obtained are stored in AllAngleData of the SampleData class.

Enter IrradiationDirection of the DataForm class.

**CM-MISDK (C# Version) Reference Manual****4.7 Others****SetActiveGroup: Sets the active group number.****Format:**

[ReturnMessage](#) SetActiveGroup(List<Int32> numGroup, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
numGroup	I	Group number (0-50)
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	×	✓	✓	✓	✓

**Description:**

This function sets the active group number.

The active group number is used as a group number associated for measurements after setting.  
Enter 0 if nothing will be set.

**GetActiveGroup: Obtains the active group number.****Format:**

[ReturnMessage](#) GetActiveGroup(out List<Int32> numGroup, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
numGroup	O	Group number (0-50)
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	×	✓	✓	✓	✓

**Description:**

This function obtains the active group number.

**CM-MISDK (C# Version) Reference Manual****SetGroupName: Sets the group name.****Format:**

[ReturnMessage](#) SetGroupName(Int32 numGroup, string name, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
numGroup	I	Group number (1-50)
name	I	Group name
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	×	✓	✓	✓	✓

**Description:**

This function sets the group name for the specified number.

**GetGroupName: Obtains the group name.****Format:**

[ReturnMessage](#) GetGroupName(Int32 numGroup, out string name, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
numGroup	I	Group number (1-50)
name	O	Group name
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	×	✓	✓	✓	✓

**Description:**

This function obtains the group name corresponding to the specified number.

**CM-MISDK (C# Version) Reference Manual****SetMultipleGroupName: Sets multiple group names in batch.****Format:**

[ReturnMessage](#) SetMultipleGroupName(Int32 groupList, List<string> name, Int32 comPort = 0)

**Arguments:**

Parameters:

Name	I/O	Explanation	
groupList	I	Group list (0 to 4)	
		0	Group number 1 to 10
		1	Group number 11 to 20
		2	Group number 21 to 30
		3	Group number 31 to 40
		4	Group number 41 to 50
name	I	Group name (1 to 10)	
comport	I	Virtual COM Port number	

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	×	✓	✓	✓	✓

**Description:**

This method sets group names in batch. (Up to 10 group names can be set for one group list.)

**CM-MISDK (C# Version) Reference Manual****GetMultipleGroupName: Obtains multiple group names in batch.****Format:**

[ReturnMessage](#) GetMultipleGroupName(Int32 groupList, out List<string> name, Int32 comPort = 0)

**Arguments:**

Parameters:

Name	I/O	Explanation	
groupList	I	Group list (0 to 4)	
		0	Group number 1 to 10
		1	Group number 11 to 20
		2	Group number 21 to 30
		3	Group number 31 to 40
		4	Group number 41 to 50
name	O	Group name (1 to 10)	
comport	I	Virtual COM Port number	

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	×	✓	✓	✓	✓

**Description:**

This method obtains the group names registered to the group list in batch.

**CM-MISDK (C# Version) Reference Manual****SetTolerance: Sets the default tolerance.****Format:**

[ReturnMessage](#) SetTolerance(Int32 numObsIll, [DataForm](#) dataForm, [ToleranceData](#) tolerance, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
numObsIll	I	Observation field / illuminant number (0-1)
dataForm	I	Data type
tolerance	I	Tolerance data
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This method sets the default tolerance.

This tolerance is assigned when saving a new target.

\* Only Tolerance specified by the key is changed.

**CM-MISDK (C# Version) Reference Manual****GetTolerance: Obtains the default tolerance.****Format:**

[ReturnMessage](#) GetTolerance(Int32 numObsIll, [DataForm](#) dataForm [ToleranceData](#) tolerance, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
numObsIll	I	Observation field / illuminant number (0-1)
dataForm	I	Data type
tolerance	O	Tolerance data
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This method obtains the default tolerance.

\* Enter Key for the tolerance to obtain and a blank ToleranceParam in the ToleranceData class.

**CM-MISDK (C# Version) Reference Manual****SetParametric: Sets the default parametric coefficient.****Format:**

[ReturnMessage](#) SetParametric([DataForm](#) dataForm, [ParametricCoef](#) parametric, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
dataForm	I	Data type
Parametric	I	Parametric coefficient
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This method sets the default parametric coefficient.

This tolerance is assigned when saving a new target.

**GetParametric: Obtains the default parametric coefficient.****Format:**

[ReturnMessage](#) GetParametric([DataForm](#) dataForm, [ParametricCoef](#) parametric, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
dataForm	I	Data type
parametric	O	Parametric coefficient
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This method obtains the default parametric coefficient.



**CM-MISDK (C# Version) Reference Manual****SetWarningLevel: Sets the warning level.****Format:**

[ReturnMessage](#) SetWarningLevel(Int32 level, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
level	I	Warning level (0 to 100%)
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function sets the warning level.

**GetWarningLevel: Obtains the warning level.****Format:**

[ReturnMessage](#) GetWarningLevel(out Int32 level, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
level	I	Warning level (0 to 100%)
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function obtains the warning level.

**CM-MISDK (C# Version) Reference Manual****SetInstrumentMode: Sets the instrument mode.****Format:**

[ReturnMessage](#) SetInstrumentMode([InstrumentMode](#) mode, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
mode	I	Instrument mode
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	✓	✓

**Description:**

This function sets the instrument mode.

When the power supply to the instrument is turned off, the setting reverts normal mode.

**GetInstrumentMode: Obtains the instrument mode.****Format:**

[ReturnMessage](#) GetInstrumentMode(out [InstrumentMode](#) mode, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
mode	O	Instrument mode
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	✓	✓

**Description:**

This function obtains the instrument mode.

**CM-MISDK (C# Version) Reference Manual****SetUserType: Sets the user type.****Format:**

[ReturnMessage](#) SetUserType([UserType](#) userType, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
userType	I	User type
comPort	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function sets the user type.

**GetUserType: Obtains the user type.****Format:**

[ReturnMessage](#) GetUserType(out [UserType](#) userType, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
userType	O	User type
comPort	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function obtains the user type.

**CM-MISDK (C# Version) Reference Manual****SetAdminPassword: Sets the administrator password.****Format:**

[ReturnMessage](#) SetAdminPassword(string adminPass, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
adminPass	I	Administrator password (numbers only, 4 to 8 digits)
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	✓	✓

**Description:**

This function sets the administrator password.

The password is used to change the settings from operator to administrator when the instrument is used standalone.

**GetAdminPassword: Obtains the administrator password.****Format:**

[ReturnMessage](#) GetAdminPassword(out string adminPass, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
adminPass	O	Administrator password (numbers only, 4 to 8 digits)
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	✓	✓

**Description:**

This function obtains the administrator password.

**CM-MISDK (C# Version) Reference Manual****SetAutoPrint: Sets automatic printing.****Format:**

[ReturnMessage](#) SetAutoPrint([OnOff](#) autoPrint, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
autoPrint	I	Automatic printing ON/OFF
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function sets automatic printing.

**GetAutoPrint: Obtains the automatic printing setting.****Format:**

[ReturnMessage](#) GetAutoPrint(out [OnOff](#) autoPrint, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
autoPrint	O	Automatic printing ON/OFF
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function obtains the automatic printing setting.

**CM-MISDK (C# Version) Reference Manual****SetBrightness: Sets the brightness of the display.****Format:**

[ReturnMessage](#) SetBrightness(Int32 brightness, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
brightness	I	Display brightness (0 to 4)
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function sets the brightness of the display.

**GetBrightness: Obtains the brightness of the display.****Format:**

[ReturnMessage](#) GetBrightness(out Int32 brightness, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
brightness	O	Display brightness (0 to 4)
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function obtains the brightness of the display.

**CM-MISDK (C# Version) Reference Manual****SetScreenDirection: Sets the display direction of the screen.****Format:**

[ReturnMessage](#) SetScreenDirection([ScreenDirection](#) direction, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
direction	I	Display direction of screen
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
×	✓	✓	✓	✓	✓

**Description:**

This function sets the display direction of the screen.

**GetScreenDirection: Obtains the display direction of the screen.****Format:**

[ReturnMessage](#) GetScreenDirection(out [ScreenDirection](#) direction, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
direction	O	Display direction of screen
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
×	✓	✓	✓	✓	✓

**Description:**

This function obtains the display direction of the screen.

**CM-MISDK (C# Version) Reference Manual****SetSound: Sets the beep.****Format:**

[ReturnMessage](#) SetSound([OnOff](#) sound, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
sound	I	Sound ON/OFF
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function sets the beep.

When the sound is turned on, the instrument will generate a sound when calibration or measurement is completed or ends in an error.

**GetSound: Obtains the beep.****Format:**

[ReturnMessage](#) GetSound(out [OnOff](#) sound, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
sound	O	Sound ON/OFF
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function obtains the beep.



**CM-MISDK (C# Version) Reference Manual****SetCalibrationInterval: Sets the calibration interval.****Format:**

[ReturnMessage](#) SetCalibrationInterval(Int32 calInterval, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
calInterval	I	Calibration interval (1-24) (1-hr pitch)
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function sets the calibration interval.

Note that, although it is possible to run a measurement after the calibration interval ends, the instrument is in an alert state where calibration is recommended.

**GetCalibrationInterval: Obtains the calibration interval.****Format:**

[ReturnMessage](#) GetCalibrationInterval(out Int32 calInterval, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
calInterval	O	Calibration interval (1-24) (1-hr pitch)
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function obtains the calibration interval.

**CM-MISDK (C# Version) Reference Manual****SetAnnualCalibration: Sets the periodical calibration notice.****Format:**

[ReturnMessage](#) SetAnnualCalibration([OnOff](#) annualCal, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
annualCal	I	Periodical calibration notice ON/OFF
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function sets the periodical calibration notice.

**GetAnnualCalibration: Obtains the periodical calibration notice.****Format:**

[ReturnMessage](#) GetAnnualCalibration(out [OnOff](#) annualCal, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
annualCal	O	Periodical calibration notice ON/OFF
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function obtains the periodical calibration notice setting.

**CM-MISDK (C# Version) Reference Manual****SetZeroCalibrationSkip: Sets whether or not to skip zero calibration.****Format:**

[ReturnMessage](#) SetZeroCalibrationSkip([OnOff](#) skip, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
skip	I	Skip zero calibration on/off
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	✓	✓

**Description:**

This function sets whether or not to skip zero calibration.

If skip zero calibration is turned on, zero calibration can be skipped when the instrument starts. If turned off, zero calibration must always be performed.

**GetZeroCalibrationSkip: Obtains whether or not zero calibration can be skipped.****Format:**

[ReturnMessage](#) GetZeroCalibrationSkip(out [OnOff](#) skip, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
skip	O	Skip zero calibration on/off
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	✓	✓

**Description:**

This function obtains whether skip zero calibration is on or off.

**CM-MISDK (C# Version) Reference Manual****SetDateTime: Sets the date and time.****Format:**

[ReturnMessage](#) SetDateTime(DateTime date, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
date	I	Date/time
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function sets the date and time.

**CM-MISDK (C# Version) Reference Manual****SetDateFormat: Sets the date format.****Format:**

[ReturnMessage](#) SetDateFormat([DateFormat](#) dateFormat, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
dateFormat	I	Date format
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function sets the date format.

**GetDateFormat: Obtains the date format.****Format:**

[ReturnMessage](#) GetDateFormat(out [DateFormat](#) dateFormat, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
dateFormat	O	Date format
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function obtains the date format.

**CM-MISDK (C# Version) Reference Manual****SetLanguage: Sets the display language.****Format:**

[ReturnMessage](#) SetLanguage([Language](#) language, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
language	I	Display language
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function sets the display language.

**GetLanguage: Obtains the display language.****Format:**

[ReturnMessage](#) GetLanguage(out [Language](#) language, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
language	O	Display language
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This function obtains the display language.

**CM-MISDK (C# Version) Reference Manual****SetAutoPowerOff: Sets the time until auto power off functions.****Format:**

[ReturnMessage](#) SetAutoPowerOff(Int32 time, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
time	I	0 to 60 minutes
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
△	△	✓	✓	✓	✓

\* Dependent on [instrument and version](#).

**Description:**

This method sets the time until auto power off functions.  
If set to 0, the auto power off function is turned off.

**GetAutoPowerOff: Obtains the time until auto power off functions.****Format:**

[ReturnMessage](#) GetAutoPowerOff(out Int32 time, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
time	O	0 to 60 minutes
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
△	△	✓	✓	✓	✓

\* Dependent on [instrument and version](#).

**Description:**

This method obtains the time until auto power off functions that has been set on the instrument.

**CM-MISDK (C# Version) Reference Manual****ClearJobInfo: Clears job information.****Format:**

[ReturnMessage](#) ClearJobInfo(Int32 jobNum, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
jobNum	I	Job number (0 to 4)
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	The processing was completed normally.
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument. Or, connection is not established using Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
×	×	✓	✓	✓	×

**Description:**

This function clears job information.

It clears the step information and image information registered to the specified jog number.



**CM-MISDK (C# Version) Reference Manual****SetJobInfo: Sets job information.****Format:**

[ReturnMessage](#) SetJobInfo(Int32 jobNum, [JobInfo](#) info, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
jobNum	I	Job number (0 to 4)
info	I	Job information
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	The processing was completed normally.
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument. Or, connection is not established using Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	✓	x

**Description:**

This function sets job information.

Use [SetJobStepForOperation](#) and [SetJobStepForResult](#) to set the number of steps specified here.

Refer to "[3.2 Basic processing flow](#)" for the procedure.

After the job information is registered to the instrument, perform trial operation to determine if the job has been configured appropriately before putting the job into operation.

**GetJobInfo: Obtains job information.****Format:**

[ReturnMessage](#) GetJobInfo(Int32 jobNum, out [JobInfo](#) info, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
jobNum	I	Job number (0 to 4)
info	O	Job information
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	The processing was completed normally.
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument. Or, connection is not established using Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	✓	x

**Description:**

This function obtains job information.

**CM-MISDK (C# Version) Reference Manual****GetJobStepType: Obtains the step type of the job.****Format:**

[ReturnMessage](#) GetJobStepType(Int32 jobNum, Int32 stepNum, out [JobStepType](#) stepType, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
jobNum	I	Job number (0 to 4)
stepNum	I	Step number (0 to 19)
stepType	O	Step type
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	The processing was completed normally.
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument. Or, connection is not established using Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	✓	x

**Description:**

This function obtains the step type of the job.

If the job type is operation step, use [GetJobStepForOperation](#). If the job type is result step, use [GetJobStepForResult](#).

**CM-MISDK (C# Version) Reference Manual****SetJobStepForOperation: Sets an operation step of the job.****Format:**

[ReturnMessage](#) SetJobStepForOperation(Int32 jobNum, Int32 stepNum, [JobStepOperation](#) jobStep, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
jobNum	I	Job number (0 to 4)
stepNum	I	Step number (0 to 19)
jobStep	I	Step content (operation step)
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	The processing was completed normally.
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument. Or, connection is not established using Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	✓	x

**Description:**

This function sets an operation step of the job.

The steps (operation steps or result steps) must be set in the amount of the number of steps specified by [SetJobInfo](#).

Refer to "[3.2 Basic processing flow](#)" for the procedure.

The following table gives the items that must be set for each instrument. Entered information is ignored for cells indicated by "-".

	26dG	26d	25d
meas_type	-	-	-
meas_mode	✓	-	-
meas_area	✓	✓	-
meas_angle	-	-	-
meas_idirection	-	-	-
meas_scie	✓	✓	✓
meas_uv	✓	✓	-

**CM-MISDK (C# Version) Reference Manual****GetJobStepForOperation: Obtains an operation step of the job.****Format:**

[ReturnMessage](#) GetJobStepForOperation(Int32 jobNum, Int32 stepNum, out [JobStepOperation](#) jobStep, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
jobNum	I	Job number (0 to 4)
stepNum	I	Step number (0 to 19)
jobStep	O	Step content (operation step)
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	The processing was completed normally.
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument. Or, connection is not established using Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	✓	x

**Description:**

This function obtains an operation step of the job.

**CM-MISDK (C# Version) Reference Manual****SetJobStepForResult: Sets a result step of the job.****Format:**

[ReturnMessage](#) SetJobStepForResult(Int32 jobNum, Int32 stepNum, [JobStepResult](#) jobStep, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
jobNum	I	Job number (0 to 4)
stepNum	I	Step number (0 to 19)
jobStep	I	Step content (result step)
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	The processing was completed normally.
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument. Or, connection is not established using Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	✓	x

**Description:**

This function sets a result step of the job.

The steps (operation steps or result steps) must be set in the amount of the number of steps specified by [SetJobInfo](#).

Refer to "[3.2 Basic processing flow](#)" for the procedure.

**CM-MISDK (C# Version) Reference Manual****GetJobStepForResult: Obtains a result step of the job.****Format:**

[ReturnMessage](#) GetJobStepForResult(Int32 jobNum, Int32 stepNum, out [JobStepResult](#) jobStep, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
jobNum	I	Job number (0 to 4)
stepNum	I	Step number (0 to 19)
jobStep	O	Step content (result step)
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	The processing was completed normally.
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument. Or, connection is not established using Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	✓	x

**Description:**

This function obtains a result step of the job.

**CM-MISDK (C# Version) Reference Manual****SetJobImage: Sets job images.****Format:**

[ReturnMessage](#) SetJobImage(Int32 jobNum, Int32 imageNum, [JobImage](#) jobImage, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
jobNum	I	Job number (0 to 4)
imageNum	I	Image number (0 to 9)
jobImage	I	Image
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	The processing was completed normally.
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument. Or, connection is not established using Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	✓	x

**Description:**

This function sets job images.

To set an image, job information must be set with [SetJobInfo](#).

Refer to "[3.2 Basic processing flow](#)" for the procedure.

This function directly writes to the flash memory on the instrument.

Up to 10 images can be set for one job.

The resolutions of images that can be registered on each instrument are as follows. From the top left, register data left-aligned in the amount of the size.

	26dG	26d	25d
Resolution	W: 240 H: 128	W: 240 H: 128	W: 240 H: 128

**CM-MISDK (C# Version) Reference Manual****GetJobImage: Obtains job images.****Format:**

[ReturnMessage](#) GetJobImage(Int32 jobNum, Int32 imageNum, out [JobImage](#) jobImage, Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
jobNum	I	Job number (0 to 4)
imageNum	I	Image number (0 to 9)
jobImage	O	Image
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	The processing was completed normally.
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErInvalidParameter</a>	The specified parameter is incorrect.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Failed to connect to the instrument. Or, connection is not established using Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
x	x	✓	✓	✓	x

**Description:**

This function obtains job images.



**CM-MISDK (C# Version) Reference Manual****ResetToFactorySetting: Resets the settings to factory default.****Format:**

[ReturnMessage](#) ResetToFactorySetting(Int32 comPort = 0)

**Arguments:**

Name	I/O	Explanation
comport	I	Virtual COM Port number

**Return Value:**

Definition value	Explanation
<a href="#">KmSuccess</a>	Completed normally
<a href="#">KmErNoConnect</a>	No instrument is connected to the specified virtual COM port.
<a href="#">KmErCannotCommand</a>	The current instrument does not support the specified function.
<a href="#">KmErConnectFailed</a>	Execute Connect.

\* Refer to the [List of errors](#) for errors not listed above.

**Supported Instruments:**

25cG	M6	26dG	26d	25d	23d
✓	✓	✓	✓	✓	✓

**Description:**

This method resets the settings to factory default.

The measurements and targets are all cleared, and the settings are returned to the initial values.

**CM-MISDK (C# Version) Reference Manual****5. Definitions/Structures****5.1 Type definitions**

Definition	Byte	Description	C/C++	VB.NET	VBA (VB6)
int8_km	1	Signed byte type	char	SByte	(Byte)
uint8_km	1	Byte type	unsigned char	Byte	Byte
int16_km	2	Short integer type	short	Short	Integer
uint16_km	2	Short integer type (unsigned)	unsigned short	UShort	(Integer)
int32_km	4	Integer type	long(int)	Integer	Long
uint32_km	4	Integer type (unsigned)	unsigned long	UInteger	(Long)
int64_km	8	Long integer type	long long	Long	
uint64_km	8	Long integer type (unsigned)	unsigned long long	ULong	
float32_km	4	Single precision floating point type	float	Single	Single
float64_km	8	Double precision floating point type	double	Double	Double

**CM-MISDK (C# Version) Reference Manual****5.2 Class definition****Class DataForm (Data form class)****Format:**

```
class DataForm
{
    DataType          DataType;
    IrradiationDirection IrradiationDirection;
}
```

**Variable:**

Variable	Explanation
DataType	Data type
IrradiationDirection	Irradiation direction

**Class SpecData (Reflectance class)****Format:**

```
class SpecData
{
    List<double> Spec;
    double Gloss;
}
```

**Variable:**

Variable	Explanation
Spec	Reflectance <ul style="list-style-type: none"> <li>■ For the CM-25cG/CM-26dG/CM-26d  <div>39 (360-740 nm / 10-nm pitch)</div> </li> <li>■ For the CM-M6/CM-25d/CM-23d  <div>31 (400-700 nm / 10-nm pitch)</div> </li> </ul>
Gloss	Gloss value

**Class MeasDataColor (measurement color data class)****Format:**

```
class MeasDataColor
{
    ColorSpace          color;
    Dictionary<MeasDataType, List<double>> data;
}
```

**Variable:**

Variable	Explanation
color	Color space
data	Measurement data

**Class ColorCalData (Color calibration data class)****Format:**

```
class ColorCalData
{
    List<double> Data;
    Int32 PlateId;
}
```

**Variable:**

Variable	Explanation
Data	Calibration data <ul style="list-style-type: none"> <li>■ For the CM-25cG/CM-26dG/CM-26d</li> </ul>

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	<div>39 (360-740 nm / 10-nm pitch)</div> <ul style="list-style-type: none"> <li>■ For the CM-M6/CM-25d/CM-23d</li> </ul> <div>31 (400-700 nm / 10-nm pitch)</div>
PlateId	Calibration plate ID

**Class GlossCalData (Gloss calibration data class)****Format:**

```
class GlossCalData
{
    double      Data;
    Int32       PlateId;
}
```

**Variable:**

Variable	Explanation
Data	Calibration data
PlateId	Calibration plate ID

**Class UserCalData (User calibration data class)****Format:**

```
class UserCalData
{
    List<double> Data;
    Int         PlateId;
}
```

**Variable:**

Variable	Explanation
Data	Calibration data <ul style="list-style-type: none"> <li>■ For the CM-25cG/CM-26dG/CM-26d</li> </ul> <div>39 (360-740 nm / 10-nm pitch)</div> <ul style="list-style-type: none"> <li>■ For the CM-25d/CM-23d</li> </ul> <div>31 (400-700 nm / 10-nm pitch)</div>
PlateId	Calibration plate ID

**Class UserCalData2 (User calibration data class)****Format:**

```
class UserCalData
{
    List<double> Data;
    string       PlateId;
}
```

**Variable:**

Variable	Explanation
Data	Calibration data <ul style="list-style-type: none"> <li>■ For the CM-25cG/CM-26dG/CM-26d</li> </ul> <div>39 (360-740 nm / 10-nm pitch)</div> <ul style="list-style-type: none"> <li>■ For the CM-25d/CM-23d</li> </ul> <div>31 (400-700 nm / 10-nm pitch)</div>
PlateId	Calibration plate ID (8 characters) * If the user ID is blank, it will be treated as if there is no data.

**CM-MISDK (C# Version) Reference Manual****Class UvAdjustIndex (Index data for fluorescence adjustment)****Format:**

```
class UvAdjustIndex
{
    double    value;
    double    tolerance;
}
```

**Variable:**

Variable	Explanation
value	Value
tolerance	Allowable width

**Class UvAdjustCoef (Fluorescence adjustment coefficient)****Format:**

```
class UvAdjustCoef
{
    List<double>    coefficient;
    List<double>    correction;
    List<double>    param;
    DateTime        date;
}
```

**Variable:**

Variable	Explanation
coefficient	Fluorescence coefficient *the DataSize number obtained by <a href="#">GetInstrumentInfo</a> is used.
correction	Fluorescence correction value *the DataSize number obtained by <a href="#">GetInstrumentInfo</a> is used.
param	Parameter * Stored in the order of P, Q, C, m, n, k, and dWdS only when using the Ganz & Griesser method.
date	Fluorescence adjustment date/time

**Class UvAdjustGG (Ganz & Griesser fluorescence adjustment data)****Format:**

```
class UvAdjustGG
{
    Int32        count;
    List<double> WI;
    List<double> Tint;
}
```

**Variable:**

Variable	Explanation
count	Number of samples to be used
WI	WI value for the number of samples used
Tint	Tint value for the number of samples used

**Class MeasCondSMC (SMC conditions class)****Format:**

```
class MeasCondSMC
{
    OnOff        enable;
    Int32        times;
    double       threshold;
}
```

**CM-MISDK (C# Version) Reference Manual****Variable:**

Variable	Explanation
enable	Enable or disable function
times	Number of times to average (3 to 10 times)
threshold	Threshold value level (0.01 to 9.99)

**Class ColorValue (Class for accessing color space results)****Format:**

```

class ColorValue
{
    string                Id;
    ColorSpace           ColorModeId;
    DateTime              Date;
    Dictionary<string, double> Value;
    Dictionary<string, string> CharValue;
    List<Dictionary<string, double>> AllAngleValue;
}

```

**Variable:**

Variable	Explanation
Id	ID
ColorModeId	Color space ID * A value other than COLOR_MUNSELL_C can be specified.
Date	Registration/measurement date/time
Value	Color space value
CharValue	* Unused
AllAngleValue	Color space value (Use when obtaining data of multiple angles.)

**Class TargetData (Target data class)****Format:**

```

class TargetData
{
    DateTime              Date;
    List<Int32>           Group;
    string                Name;
    Dictionary< IrradiationDirection, List<List<double>>> Data;
    double                Gloss;
    ColorValue           ColorData;
    MeasCondMode         Mode;
    MeasArea             Area;
    DataForm             DataForm;
}

```

**Variable:**

Variable	Explanation
DateTime	Measurement (registration) date/time
Group	Group number
Name	Name
Data	Reflectance
Gloss	Gloss value
ColorData	Color space value
Mode	Measurement mode
Area	Measurement area
dataForm	Data type

**CM-MISDK (C# Version) Reference Manual****Class TargetDataPack (Target data class)****Format:**

```

class TargetDataPack
{
    DateTime                                date;
    List<Int32>                             group_list;
    MeasType                               meas_type;
    MeasCondMode                           meas_mode;
    MeasArea                               meas_area;
    MeasAngle                              meas_angle;
    LightDirection                         l_direction;
    MeasCondScie                           meas_scie;
    MeasCondUv                             meas_uv;
    DataWarning                            warning;
    Int32                                  diagnosis;
    DataAttr                               data_attr;
    Int32                                  warning_level;
    Dictionary<DataId, List<double>>      data;
    ColorData                             data_color;
    string                                name;
}

```

**Variable:**

Variable	Explanation
date	Measurement (registration) date/time
group_list	Group number list
meas_type	Measurement type
meas_mode	Measurement mode
meas_area	Measurement area * For 25d and 23d data, set AREA_MAV for mea_area.
meas_angle	Measurement angle
l_direction	Irradiation direction
meas_scie	Specular component
meas_uv	UV condition * For 25d and 23d data, set UV_CUT400 for meas_uv.
warning	Warning
diagnosis	Diagnosis
data_attr	Data attribute
data	Reflectance data * Use only if data_attr is DATAATTR_SPEC. * The amount of required data will depend on the measurement mode, measurement angle, irradiation direction, and specular component. Be careful regarding the amount of required data.
data_color	Color value data * Use only if data_attr is a value other than DATAATTR_SPEC. * Specify gloss values for both data_color.data1 and data_color.data2. * The amount of required data will depend on the measurement mode, measurement angle, irradiation direction, and specular component. Be careful regarding the amount of required data.
name	Name

**Class ColorData (Color data class)****Format:**

```

class ColorData
{
    Observer                                obs1;
    Observer                                obs2;
    Illuminant                             ill1;
}

```

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```

    Illuminant
    Dictionary<DataId, List<double>> ill2;
    Dictionary<DataId, List<double>> data1;
    Dictionary<DataId, List<double>> data2;

```

}

**Variable:**

Variable	Explanation
obs1	Observer 1
obs2	Observer 2
ill1	Illuminant 1
ill2	Illuminant 2
data1	Observer 1/illuminant 1 color data
data2	Observer 2/illuminant 2 color data

**Class ToleranceData (Tolerance data class)****Format:**

```

class ToleranceData
{
    Dictionary<Int32, ToleranceParam> Tolerance;
}

```

**Variable:**

Variable	Explanation								
Tolerance	Tolerance data Key     Tolerance number (refer to <a href="#">ToleranceId</a> )  <a href="#">ToleranceParam</a> <table> <tr> <td>Upper_enable</td><td>Upper limit enable/disable</td></tr> <tr> <td>Upper_value</td><td>Upper limit</td></tr> <tr> <td>Lower_enable</td><td>Lower limit enable/disable</td></tr> <tr> <td>Lower_value</td><td>Lower limit</td></tr> </table>	Upper_enable	Upper limit enable/disable	Upper_value	Upper limit	Lower_enable	Lower limit enable/disable	Lower_value	Lower limit
Upper_enable	Upper limit enable/disable								
Upper_value	Upper limit								
Lower_enable	Lower limit enable/disable								
Lower_value	Lower limit								

- \* The types and ranges of parameters that can be set may depend on the instrument. Refer to the manual of the instrument.
- \* Enter a value multiplied by 100 for  $\Delta x$  and  $\Delta y$ . Obtained values of  $\Delta x$  and  $\Delta y$  have been multiplied by 100.

**Class ToleranceParam (Tolerance data class)****Format:**

```

class ToleranceData
{
    byte                                    Upper_enable;
    double                                Upper_value;
    byte                                   Lower_enable;
    double                                Lower_value;
}

```

**Variable:**

Variable	Explanation
Upper_enable	Upper limit enable/disable (0: disable, 1: enable)
Upper_value	Upper limit
Lower_enable	Lower limit enable/disable (0: disable, 1: enable)
Lower_value	Lower limit

- \* The types and ranges of parameters that can be set may depend on the instrument. Refer to the manual of the instrument.



**CM-MISDK (C# Version) Reference Manual****Class ParamtricCoef (Parametric coefficient class)****Format:**

```
class ParametricCoef
{
    List<double> CMC;
    List<double> DeltaE94;
    List<double> DeltaE00;
}
```

**Variable:**

Variable	Explanation
CMC	For CMC * The coefficients have the following order: l, c.
DeltaE94	For $\Delta E^*_{94}$ * The coefficients have the following order: l, c, h.
DeltaE00	For $\Delta E_{00}$ * The coefficients have the following order: l, c, h.

\* The types and ranges of parameters that can be set may depend on the instrument. Refer to the manual of the instrument.

**Class SampleData (Measurement value data class)****Format:**

```
class SampleData
{
    DateTime                               Date;
    string                                Name
    SpecData                              Data;
    Dictionary< IrradiationDirection, List<List<double>>> AllAngleData;
    ColorValue                            ColorData;
    MeasCondMode                          Mode;
    MeasArea                             Area;
    DataForm                             DataForm;
    Int32                                relation_target;
}
```

**Variable:**

Variable	Explanation
Date	Measurement (registration) date/time
Name	Name
Data	Reflectance, gloss value
AllAngleData	Reflectance (Use when obtaining data of multiple angles.)
ColorData	Color space value
Mode	Measurement mode
Area	Measurement area
DataForm	Data type
relation_target	Related target

**Class SampleDataPack (Measurement value data class)****Format:**

```
class SampleDataPack
{
    DateTime                               date;
    MeasType                              meas_type;
    MeasCondMode                          meas_mode;
    MeasArea                             meas_area;
}
```

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```

MeasAngle           meas_angle;
LightDirection      l_direction;
MeasCondScie        meas_scie;
MeasCondUv          meas_uv;
DataWarning         warning;
Int32                 diagnosis;
Int32                 relation_target;
Dictionary<DataId, List<double>> data;
string                name;
}

```

**Variable:**

Variable	Explanation
date	Measurement (registration) date/time
group_list	Group number list
meas_type	Measurement type
meas_mode	Measurement mode
meas_area	Measurement area
meas_angle	Measurement angle
l_direction	Irradiation direction
meas_scie	Specular component
meas_uv	UV condition
warning	Warning
diagnosis	Diagnosis
relation_target	Related target number
data	Data * The amount of required data will depend on the measurement mode, measurement angle, irradiation direction, and specular component. Be careful regarding the amount of required data.
name	Name

**Class InstrumentInfo (Instrument information class)****Format:**

```

class InstrumentInfo
{
    string    Name;
    Int32     SerialNum;
    string    Version;
}

```

**Variable:**

Variable	Explanation
Name	Instrument name
SerialNum	Unit number
Version	Version

**Class InstrumentInfoEx (Instrument information class)****Format:**

```

class InstrumentInfoEx
{
    Int32     SerialNum;
    Int32     WaveLengthStart;
    Int32     WaveLengthEnd;
    Int32     WaveLengthPitch;
    Int32     DataSize;
    string    Version;
    string    Name;
}

```

**CM-MISDK (C# Version) Reference Manual****Variable:**

Variable	Explanation
SerialNum	Unit number
WaveLengthStart	Reflectance    Wavelength range: Minimum wavelength
WaveLengthEnd	Reflectance    Wavelength range: Maximum wavelength
WaveLengthPitch	Reflectance    Wavelength range: Wavelength pitch
DataSize	Reflectance    Size of data (determined by minimum wavelength, maximum wavelength, and wavelength pitch)
Version	Version
Name	Instrument name

**Class JobInfo (Job information)****Format:**

```
class JobInfo
{
    Int32      step_count;
    OnOff      step_loop;
    string     name;
}
```

**Variable:**

Variable	Explanation
step_count	Number of steps to register for job (1 to 20)
step_loop	Repeat job on/off
name	Name

**Class JobStepOperation (Job operation step)****Format:**

```
class JobStepOperation
{
    Int32      image_num;
    MeasType    meas_type;
    MeasCondMode meas_mode;
    MeasArea    meas_area;
    MeasAngle   meas_angle;
    LightDirection meas_ldirection;
    MeasCondScie meas_scie;
    MeasCondUv  meas_uv;
    Int32      auto_ave_times;
    Int32      manu_ave_times;
    Int32      relation_target;
    OnOff       enable_meas;
    OnOff       enable_prev;
    OnOff       enable_next;
    OnOff       enable_end;
    String     name;
    string     comment;
}
```

**Variable:**

Variable	Explanation
image_num	Image number (0 to 10) * 10 is handled as "No image".
meas_type	Measurement type
meas_mode	Measurement mode
meas_area	Measurement area
meas_angle	Measurement angle
meas_ldirection	Irradiation direction

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meas_scie	Specular component
meas_uv	UV condition
auto_ave_times	Auto average count (1 to 10)
manu_ave_times	Manual average count (1 to 30)
relation_target	Related target number * Opacity attribute data cannot be set.
enable_meas	Measurement button enable/disable
eable_prev	Display previous button on/off
enable_next	Display next button on/off
enable_end	End button enable/disable
name	Name
comment	Comment

**Class JobStepResult (Job result step)****Format:**

```

class JobStepResult
{
    MeasCondScie    meas_scie;
    Observer        obs1;
    Observer        obs2;
    Illuminant      ill1;
    Illuminant      ill2;
    List<CustomItem> custom_item;
    OnOff           enable_meas;
    OnOff           enable_prev;
    OnOff           enable_next;
    OnOff           enable_end;
}

```

**Variable:**

Variable	Explanation
meas_scie	Specular component
obs1	Observer 1
obs2	Observer 2
ill1	Illuminant 1
ill2	Illuminant 2
custom_item	Custom items
enable_meas	Measurement button enable/disable
eable_prev	Display previous button on/off
enable_next	Display next button on/off
enable_end	End button enable/disable

**Class JobImage (Job image)****Format:**

```

class JobImage
{
    Int32    width;
    Int32    height;
    List<Int32> data;
    string    name;
}

```

**Variable:**

Variable	Explanation
width	Width (240 fixed)
height	Height (128 fixed)
data	Image data (arranged in Z order from top left) The data is stored as 1 pixel per element. R, G, and B are each 8 bits.

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	The data is stored right-aligned in BGR order.
name	Image name

**CM-MISDK (C# Version) Reference Manual****5.3 Value definition****CalStatus (Calibration status)**

	Value	Explanation
StatusZero	0	Zero calibration is required
StatusWhite	1	White calibration is required
StatusGloss	2	Gloss calibration is required
StatusMeasure	3	Measurement is possible
StatusMeasureWrn	4	Measurement is possible (calibration recommended)
StatusUser	5	User calibration is required

\* Dependent on [instrument and version](#).

**CalDataType (Calibration Data Type)**

## ■ For the CM-25cG

	Value	Explanation
CALTYPE_MAV	0	MAV
CALTYPE_SAV	1	SAV

## ■ For the CM-26dG/CM-26d

	Value	Explanation
CALTYPE_MAV_SCI	0	MAV/SCI
CALTYPE_MAV_SCE	1	MAV/SCE
CALTYPE_SAV_SCI	2	SAV/SCI
CALTYPE_SAV_SCE	3	SAV/SCE

## ■ For CM-25d/CM-23d

	Value	Explanation
CALTYPE_MAV_SCI	0	MAV/SCI
CALTYPE_MAV_SCE	1	MAV/SCE

## ■ For the CM-M6

	Value	Explanation
CALTYPE_L_ANGLE_M15	0	Left -15°
CALTYPE_L_ANGLE_15	1	Left 15°
CALTYPE_L_ANGLE_25	2	Left 25°
CALTYPE_L_ANGLE_45	3	Left 45°
CALTYPE_L_ANGLE_75	4	Left 75°
CALTYPE_L_ANGLE_110	5	Left 110°
CALTYPE_R_ANGLE_M15	6	Right -15°
CALTYPE_R_ANGLE_15	7	Right 15°
CALTYPE_R_ANGLE_25	8	Right 25°
CALTYPE_R_ANGLE_45	9	Right 45°
CALTYPE_R_ANGLE_75	10	Right 75°
CALTYPE_R_ANGLE_110	11	Right 110°

**MeasStatus (Measurement status)**

	Value	Explanation
Idling	0	Idling state
Measuring	1	Measuring

**DataType (Data type)**

## ■ For the CM-25cG

	Value	Explanation
--	-------	-------------

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NO_PARAM	0xFF	NO_PARAMETER
----------	------	--------------

## ■ For the CM-M6

	Value	Explanation
ANGLE_M15	3	-15°
ANGLE_15	4	15°
ANGLE_25	5	25°
ANGLE_45	6	45°
ANGLE_75	7	75°
ANGLE_110	8	110°

## ■ For the CM-26dG/CM-26d

	Value	Explanation
SC_SCI	0	SCI (UV condition: Only when number of outputs is 1)
SC_SCE	1	SCE (UV condition: Only when number of outputs is 1)
SC_SCI_UVFULL	2	SCI (UV100%)
SC_SCE_UVFULL	3	SCE (UV100%)
SC_SCI_UVCUT	4	SCI (UV cut)
SC_SCE_UVCUT	5	SCE (UV cut)
SC_SCI_UVADJ	6	SCI (UV adjustment)
SC_SCE_UVADJ	7	SCE (UV adjustment)
DATATYPE_BACKWHITE	10	Opacity white back
DATATYPE_BACKBLACK	11	Opacity black back

## ■ For the CM-25d/CM-23d

	Value	Explanation
SC_SCI	0	SCI (UV condition: Only when number of outputs is 1)
SC_SCE	1	SCE (UV condition: Only when number of outputs is 1)
DATATYPE_BACKWHITE	10	Opacity white back
DATATYPE_BACKBLACK	11	Opacity black back

\* If no number is indicated, the DataSize number obtained by [GetInstrumentInfo](#) is used.

**MeasDataType (Measurement data type)**

## ■ For the CM-25cG

	Value	Explanation
DTYPE_GLOSS	0	GU (1 item)
DTYPE_SPEC	1	Spectral data

## ■ For the CM-26dG

	Value	Explanation
DTYPE_GLOSS	0	GU (1 item)
DTYPE_SCI	1	SCI (UV condition: Only when number of outputs is 1)
DTYPE_SCE	2	SCE (UV condition: Only when number of outputs is 1)
DTYPE_SCI_UVFULL	10	SCI (UV100%)
DTYPE_SCE_UVFULL	11	SCE (UV100%)
DTYPE_SCI_UVCUT	12	SCI (UV cut)
DTYPE_SCE_UVCUT	13	SCE (UV cut)
DTYPE_SCI_UVADJ	14	SCI (UV adjustment)
DTYPE_SCE_UVADJ	15	SCE (UV adjustment)

## ■ For the CM-26d

	Value	Explanation
DTYPE_SCI	1	SCI (UV condition: Only when number of outputs is 1)
DTYPE_SCE	2	SCE (UV condition: Only when number of outputs is 1)
DTYPE_SCI_UVFULL	10	SCI (UV100%)
DTYPE_SCE_UVFULL	11	SCE (UV100%)
DTYPE_SCI_UVCUT	12	SCI (UV cut)

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DTYPE_SCE_UVCUT	13	SCE (UV cut)
DTYPE_SCI_UVADJ	14	SCI (UV adjustment)
DTYPE_SCE_UVADJ	15	SCE (UV adjustment)

## ■ For the CM-25d/CM-23d

	Value	Explanation
DTYPE_SCI	1	SCI
DTYPE_SCE	2	SCE

## ■ For the CM-M6

	Value	Explanation
DTYPE_L_ANGLE_M15	0	Left -15°
DTYPE_L_ANGLE_15	1	Left 15°
DTYPE_L_ANGLE_25	2	Left 25°
DTYPE_L_ANGLE_45	3	Left 45°
DTYPE_L_ANGLE_75	4	Left 75°
DTYPE_L_ANGLE_110	5	Left 110°
DTYPE_R_ANGLE_M15	6	Right -15°
DTYPE_R_ANGLE_15	7	Right 15°
DTYPE_R_ANGLE_25	8	Right 25°
DTYPE_R_ANGLE_45	9	Right 45°
DTYPE_R_ANGLE_75	10	Right 75°
DTYPE_R_ANGLE_110	11	Right 110°
DTYPE_DP_ANGLE_M15	12	Double path -15°
DTYPE_DP_ANGLE_15	13	Double path 15°
DTYPE_DP_ANGLE_25	14	Double path 25°
DTYPE_DP_ANGLE_45	15	Double path 45°
DTYPE_DP_ANGLE_75	16	Double path 75°
DTYPE_DP_ANGLE_110	17	Double path 110°

\* If no number is indicated, the DataSize number obtained by [GetInstrumentInfo](#) is used.

**IrradiationDirection** (Irradiation Direction)

## ■ For the CM-25cG/26dG/26d/25d/23d

	Value	Explanation
NO_PARAM	0xFF	No parameter

## ■ For the CM-M6

	Value	Explanation
LEFT_DIRECTION	0	LEFT
RIGHT_DIRECTION	1	RIGHT
AVERAGE	2	Double Path

**LightDirection** (Irradiation Direction)

	Value	Explanation
LDIRECTION_NONE	0	None
LDIRECTION_L	0x01	LEFT
LDIRECTION_R	0x02	RIGHT
LDIRECTION_DP	0x04	Double Path

\* Dependent on [instrument and version](#).

**CondUvAdjust** (Fluorescence adjustment conditions)

	Value	Explanation
UVADJ_PROFILE	0	Profile



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UVADJ_WI	1	WI
UVADJ_TINT	2	Tint
UVADJ_WITINT	3	WI & Tint
UVADJ_BRIGHTNESS	4	ISO brightness
UVADJ_GG	5	Ganz & Griesser
UVADJ_NONE	-1	No condition

\* Dependent on [instrument and version](#).

**UvAdjustDataType (Fluorescence coefficient data type)**

	Value	Explanation
UVADJ_DATATYPE_SCI	0	SCI
UVADJ_DATATYPE_SCE	1	SCE
UVADJ_DATATYPE_NONE	-1	No condition

\* Dependent on [instrument and version](#).

**MeasType (Measurement Type)**

	Value	Explanation
MEASTYPE_REF	0	Reflected
MEASTYPE_TRA	1	Transmitted
MEASTYPE_NONE	-1	No condition

\* Dependent on [instrument and version](#).

**MeasArea (Measurement area)**

	Value	Explanation
AREA_MAV	0	MAV
AREA_SAV	1	SAV
AREA_LAV	2	LAV
AREA_LMAV	3	LMAV
AREA_NONE	-1	Area fixed

\* Dependent on [instrument and version](#).

**MeasAngle (Measurement angle)**

	Value	Explanation
MEAS_ANGLE_M15	0x01	-15°
MEAS_ANGLE_15	0x02	15°
MEAS_ANGLE_25	0x04	25°
MEAS_ANGLE_45	0x08	45°
MEAS_ANGLE_75	0x10	75°
MEAS_ANGLE_110	0x20	110°
MEAS_ANGLE_NONE	-1	No condition

\* Dependent on [instrument and version](#).

**MeasCondMode (Measurement Mode)**

	Value	Explanation
MeasModeColorAndGloss	0	Obtain measured color and gloss
MeasModeColorOnly	1	Obtain measured color only
MeasModeGlossOnly	2	Obtain gloss only
MeasModeOpacity	3	Opacity

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\* Dependent on [instrument and version](#).

**MeasCondScie (Specular Component)**

	Value	Explanation
SC_SCI	0	SCI
SC_SCE	1	SCE
SC_SCIE	2	SCI+SCE
SC_NONE	-1	No condition

\* Dependent on [instrument and version](#).

**MeasCondUv (UV Condition)**

	Value	Explanation
UV_100	0	UV100%
UV_CUT400	1	UV Cut 400 nm
UV_CUT420	2	UV Cut 420 nm
UV_CUT400N	3	UV adjustment Cut 400 nm, normal light emission
UV_CUT400L	4	UV adjustment Cut 400 nm, low light emission
UV_CUT420N	5	UV adjustment Cut 420 nm, normal light emission
UV_CUT420L	6	UV adjustment Cut 420 nm, low light emission
UV_100_CUT400	7	UV 100% + UV cut 400 nm
UV_100_CUT420	8	UV 100% + UV cut 420 nm
UV_100_CUT400N	9	UV 100% + UV cut 400 nm + UV adjustment cut 400 nm, normal light emission
UV_100_CUT400L	10	UV 100% + UV cut 400 nm + UV adjustment cut 400 nm, low light emission
UV_100_CUT420N	11	UV 100% + UV cut 420 nm + UV adjustment cut 420 nm, normal light emission
UV_100_CUT420L	12	UV 100% + UV cut 420 nm + UV adjustment cut 420 nm, low light emission
UV_NONE	-1	No condition

\* Dependent on [instrument and version](#).

**DataId (Data Type)**

## ■ For the CM-25cG

	Value	Explanation
DATAID_GLOSS	0	GU (1 item)
DATAID_SPEC	1	Spectral data

## ■ For the CM-26dG

	Value	Explanation
DATAID_GLOSS	0	GU (1 item)
DATAID_SCI	1	SCI
DATAID_SCE	2	SCE
DATAID_BACKWHITE	3	Opacity white back
DATAID_BACKBLACK	4	Opacity black back

## ■ For the CM-26d/CM-25d/CM-23d

	Value	Explanation
DATAID_SCI	1	SCI
DATAID_SCE	2	SCE
DATAID_BACKWHITE	3	Opacity white back
DATAID_BACKBLACK	4	Opacity black back

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## ■ For the CM-M6

	Value	Explanation
DATAID_L_ANGLE_M15	0	Left -15°
DATAID_L_ANGLE_15	1	Left 15°
DATAID_L_ANGLE_25	2	Left 25°
DATAID_L_ANGLE_45	3	Left 45°
DATAID_L_ANGLE_75	4	Left 75°
DATAID_L_ANGLE_110	5	Left 110°
DATAID_R_ANGLE_M15	6	Right -15°
DATAID_R_ANGLE_15	7	Right 15°
DATAID_R_ANGLE_25	8	Right 25°
DATAID_R_ANGLE_45	9	Right 45°
DATAID_R_ANGLE_75	10	Right 75°
DATAID_R_ANGLE_110	11	Right 110°
DATAID_DP_ANGLE_M15	12	Double path -15°
DATAID_DP_ANGLE_15	13	Double path 15°
DATAID_DP_ANGLE_25	14	Double path 25°
DATAID_DP_ANGLE_45	15	Double path 45°
DATAID_DP_ANGLE_75	16	Double path 75°
DATAID_DP_ANGLE_110	17	Double path 110°

\* If no number is indicated, the DataSize number obtained by [GetInstrumentInfo](#) is used.

**DataAttr (Data Attribute)**

	Value	Explanation
DATAATTR_SPEC	0	Spectral data
DATAATTR_LAB	1	L*a*b*
DATAATTR_HLAB	2	Hunter Laboratory
DATAATTR_XYZ	3	XYZ

**DataWarning (Data Warning)**

	Value	Explanation
KmWrBattery	0x01	Low battery voltage.
KmWrCalibration	0x02	Recalibration required. It has been a long time since calibration.
KmWrPreAnnualCalibration	0x04	Periodical calibration required soon.
KmWrAnnualCalibration	0x08	Periodical calibration required.
KmWrLampForColor	0x10	Reflectance outside range of guaranteed performance.
KmWrOutOfColorRange	0x20	Low illuminant intensity for color measurement.
KmWrOutOfGlossRange	0x40	Gloss outside range of guaranteed performance.
KmWrLampForGloss	0x80	Low illuminant intensity for gloss measurement.

**SaveMode (Save Method)**

	Value	Explanation
SAVEMODE_AUTO	0	Auto save
SAVEMODE_MANUAL	1	Manual save

**DisplayType (Display type)**

	Value	Explanation
DISPTYPE_ABS	0x001	Absolute values
DISPTYPE_DIF	0x002	Color difference
DISPTYPE_ABSDIF	0x004	Absolute value & color difference

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DISPTYPE_CUSTOM	0x008	Custom
DISPTYPE_GRAPH_ABS	0x010	Absolute value graph
DISPTYPE_GRAPH_DIF	0x020	Color difference graph
DISPTYPE_GRAPH_REF	0x040	Spectral graph
DISPTYPE_PASS_FAIL	0x080	Pass/fail judgment
DISPTYPE_MI	0x100	MI
DISPTYPE_GRAPH_LINE	0x200	Line graph
DISPTYPE_AUDI2000_EC	0x400	Audi2000 $\Delta E_c$
DISPTYPE_AUDI2000_EP	0x800	Audi2000 $\Delta E_p$

\* Dependent on [instrument and version](#).

**Observer (Observation field)**

	Value	Explanation
Deg02	0	2°
Deg10	1	10°

**Illuminant (Observation illuminant)**

	Value	Explanation
ILL_None	0	None
ILL_A	1	A
ILL_C	2	C
ILL_D50	3	D50
ILL_D65	4	D65
ILL_ID50	5	ID50
ILL_ID65	6	ID65
ILL_F2	7	F2
ILL_F6	8	F6
ILL_F7	9	F7
ILL_F8	10	F8
ILL_F10	11	F10
ILL_F11	12	F11
ILL_F12	13	F12
ILL_USER	14	User

\* Dependent on [instrument and version](#).

**ColorSpace (Color space)**

	Value	Explanation
COLOR_LAB	0	$L^*a^*b^*$
COLOR_LCH	1	$L^*C^*h$
COLOR_HLAB	2	Hunter Laboratory
COLOR_XYX	3	Yxy
COLOR_XYZ	4	XYZ
COLOR_MUNSELL_C	5	Munsell (C)
COLOR_DEFAULT(*)	255	No calculation

\* COLOR\_DEFAULT is used in ColorModeId of the ColorValue class. Color is not output when this is used.

\* Dependent on [instrument and version](#).

**Equation (Color difference equation)**

	Value	Explanation
EQUATION_DE1976	0	$\Delta E^*_{ab}$

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EQUATION_CMC	1	CMC
EQUATION_DE1994	2	$\Delta E^*_{94}$
EQUATION_DE2000	3	$\Delta E_{00}$
EQUATION_DEH	4	$\Delta E(\text{Hunter})$
EQUATION_DEP	5	$\Delta E_p(\text{DIN6175})$
EQUATION_DEC	6	$\Delta E_c(\text{DIN6175})$
EQUATION_DE99o	7	$\Delta E_{99o}(\text{DIN99o})$

\* Dependent on [instrument and version](#).

**CustomIndex (Custom Items)**

	Value	Explanation
NONE	0	None
L	1	L*
a	2	a*
b	3	b*
C	4	C*
h	5	h
HL	6	L(Hunter)
Ha	7	a(Hunter)
Hb	8	b(Hunter)
X	9	X
Y	10	Y
Z	11	Z
x	12	x
y	13	y
MslH	14	H
MslV	15	V
MslC	16	C
WI_E313_73	17	WI(E313-73)
WI_CIE	18	WI(CIE)
Tint_CIE	19	Tint(CIE)
YI_E313	20	YI(E313)
YI_D1925	21	YI(D1925)
B_ISO	22	B(ISO)
GU	23	GU
USER_E1	24	UserE1
USER_C1	25	UserC1
USER_E2	26	UserE2
USER_C2	27	UserC2
USER_E3	28	UserE3
USER_C3	29	UserC3
Gloss8	30	8° gloss
WI_GANZ	31	WI(Ganz)
TINT_GANZ	32	Tint(Ganz)
DELTA_L	-1	$\Delta L^*$
DELTA_a	-2	$\Delta a^*$
DELTA_b	-3	$\Delta b^*$
DELTA_C	-4	$\Delta C^*$
DELTA_h	-5	$\Delta H^*$
DELTA_HL	-6	$\Delta L(\text{Hunter})$
DELTA_Ha	-7	$\Delta a(\text{Hunter})$
DELTA_Hb	-8	$\Delta b(\text{Hunter})$
DELTA_X	-9	$\Delta X$
DELTA_Y	-10	$\Delta Y$
DELTA_Z	-11	$\Delta Z$

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DELTA_x	-12	$\Delta x$
DELTA_y	-13	$\Delta y$
DELTA_WI_E313_73	-14	$\Delta WI(E313-73)$
DELTA_WI_CIE	-15	$\Delta WI(CIE)$
DELTA_Tint_CIE	-16	$\Delta tint(CIE)$
DELTA_YI_E313	-17	$\Delta YI(E313)$
DELTA_YI_D1925	-18	$\Delta YI(D1925)$
DELTA_B_ISO	-19	$\Delta B(ISO)$
DELTA_GU	-20	$\Delta GU$
MI	-21	MI
DELTA_E_ab	-22	$\Delta E^*ab$
CMC	-23	CMC
DELTA_E_94	-24	$\Delta E^*94$
DELTA_E_00	-25	$\Delta E_{00}$
DELTA_HE	-26	$\Delta E(\text{Hunter})$
DELTA_E_99o	-27	$\Delta E_{99o}$
Strength_XYZ	-28	StrengthXYZ
Strength_X	-29	StrengthX
Strength_Y	-30	StrengthY
Strength_Z	-31	StrengthZ
GreyScale	-32	GreyScale
DELTA_WI_GANZ	-33	$\Delta WI(\text{Ganz})$
DELTA_TINT_GANZ	-34	$\Delta Tint(\text{Ganz})$

\* Dependent on [instrument and version](#).

**DisplayData (Display Data)**

	Value	Explanation
AVERAGE	0	AVERAGE(DP)
LEFT	1	LEFT

\* Dependent on [instrument and version](#).

**FilterIndex (Filter settings)**

	Value	Explanation
OFF	0	OFF
FILTER_SAVE	1	Displays only the saved data
FILTER_GROUP	2	Displays only the data corresponding to the specified group number

\* Dependent on [instrument and version](#).

**InstrumentMode (Instrument Mode)**

	Value	Explanation
INSTRUMENTMODE_NORMAL	0	Normal mode
INSTRUMENTMODE_SIMPLE	1	Simple mode

\* Dependent on [instrument and version](#).

**UserType (User Type)**

	Value	Explanation
USERTYPE_ADMIN	0	Administrator
USERTYPE_WORKER	1	Operator

\* Dependent on [instrument and version](#).

**CM-MISDK (C# Version) Reference Manual****ScreenDirection (Display Direction of Screen)**

	Value	Explanation
SCREENDIR_0	0	Not rotated
SCREENDIR_180	1	Rotated 180°

\* Dependent on [instrument and version](#).

**DateFormat (Date format)**

	Value	Explanation
YYMMDD	0	YYYY/MM/DD
MMDDYY	1	MM/DD/YYYY
DDMMYY	2	DD/MM/YYYY

**Language (Language)**

	Value	Explanation
LANGUAGE_ENGLISH	0	English
LANGUAGE_JAPANESE	1	Japanese
LANGUAGE_GERMAN	2	German
LANGUAGE_FRENCH	3	French
LANGUAGE_SPANISH	4	Spanish
LANGUAGE_ITALIAN	5	Italian
LANGUAGE_CHINESE_S	6	Chinese (simplified)
LANGUAGE_PORTUGUESE	7	Portuguese
LANGUAGE_RUSSIAN	8	Russian
LANGUAGE_POLISH	9	Polish
LANGUAGE_TURKISH	10	Turkish

**JobStepType (Job Step Type)**

	Value	Explanation
JOB_STEPTYPE_OPERATION	0	Operation step
JOB_STEPTYPE_RESULT	1	Result step

**OnOff (ON/OFF)**

	Value	Explanation
OFF	0	OFF
ON	1	ON

**IsThereData (YES/NO)**

	Value	Explanation
NO	0	NO
YES	1	YES

**DateType (Date/Time Type)**

	Value	Explanation
DATETYPE_COLOR	0	Color
DATETYPE_GLOSS	1	Gloss

**CM-MISDK (C# Version) Reference Manual****ToleranceId (Tolerance ID)**

	Value	Explanation
TOLERANCE_ID_L	-1	$\Delta L^*$
TOLERANCE_ID_A	-2	$\Delta a^*$
TOLERANCE_ID_B	-3	$\Delta b^*$
TOLERANCE_ID_C	-4	$\Delta C^*$
TOLERANCE_ID_H	-5	$\Delta H^*$
TOLERANCE_ID_HL	-6	$\Delta L(\text{Hunter})$
TOLERANCE_ID_HA	-7	$\Delta a(\text{Hunter})$
TOLERANCE_ID_HB	-8	$\Delta b(\text{Hunter})$
TOLERANCE_ID_X	-9	$\Delta X$
TOLERANCE_ID_Y	-10	$\Delta Y$
TOLERANCE_ID_Z	-11	$\Delta Z$
TOLERANCE_ID_SX	-12	$\Delta x$
TOLERANCE_ID_SY	-13	$\Delta y$
TOLERANCE_ID_WI_E	-14	$\Delta WI(\text{E313-73})$
TOLERANCE_ID_WI_C	-15	$\Delta WI(\text{CIE})$
TOLERANCE_ID_TINT_C	-16	$\Delta Tint(\text{CIE})$
TOLERANCE_ID_YI_E	-17	$\Delta YI(\text{E313})$
TOLERANCE_ID_YI_D	-18	$\Delta YI(\text{D1925})$
TOLERANCE_ID_B_ISO	-19	$\Delta B(\text{ISO})$
TOLERANCE_ID_GU	-20	$\Delta GU$
TOLERANCE_ID_MI	-21	MI
TOLERANCE_ID_DE	-22	$\Delta E^*ab$
TOLERANCE_ID_CMC	-23	CMC
TOLERANCE_ID_DE94	-24	$\Delta E^*94$
TOLERANCE_ID_DE00	-25	$\Delta E00$
TOLERANCE_ID_DEH	-26	$\Delta E(\text{Hunter})$
TOLERANCE_ID_DEP_DIN6175	-27	$\Delta Ep(\text{DIN6175})$
TOLERANCE_ID_DEC_DIN6175	-28	$\Delta Ec(\text{DIN6175})$
TOLERANCE_ID_FF	-29	$\Delta FF$
TOLERANCE_ID_DE990	-30	$\Delta E990$
TOLERANCE_ID_DEC_AUDI2000	-31	$\Delta Ec(\text{Audi2000})$
TOLERANCE_ID_MDEC_AUDI2000	-32	$\Delta Ec$ average (Audi2000)
TOLERANCE_ID_DECM_AUDI2000	-33	$\Delta Ec$ maximum (Audi2000)
TOLERANCE_ID_DEP_AUDI2000	-34	$\Delta Ep(\text{Audi2000})$
TOLERANCE_ID_MDEP_AUDI2000	-35	$\Delta Ep$ average (Audi2000)
TOLERANCE_ID_DEPM_AUDI2000	-36	$\Delta Ep$ maximum (Audi2000)
TOLERANCE_ID_DSTRENGTH_XYZ	-37	$\Delta StrengthXYZ$
TOLERANCE_ID_DSTRENGTH_X	-38	$\Delta strengthX$
TOLERANCE_ID_DSTRENGTH_Y	-39	$\Delta strengthY$
TOLERANCE_ID_DSTRENGTH_Z	-40	$\Delta strengthZ$
TOLERANCE_ID_DOPACITY	-41	Opacity difference
TOLERANCE_ID_DGRAYSCALE	-42	Grayscale difference
TOLERANCE_ID_WI_G	-43	$\Delta WI(\text{Ganz})$
TOLERANCE_ID_TINT_G	-44	$\Delta Tint(\text{Ganz})$

\* Dependent on [instrument and version](#).



**CM-MISDK (C# Version) Reference Manual****6. Errors/Warnings****6.1 List of errors**

Error ID	Value		
KmSuccess	0	Description	The processing was completed normally.
		Action	-
KmErNoConnect	10	Description	No instrument is connected to the specified virtual COM port.
		Action	Check the following: <ul style="list-style-type: none"> <li>• Is the instrument powered on?</li> <li>• Is the cable correctly connected?</li> <li>• Is the COM port number correct?</li> <li>• No other software is controlling the instrument?</li> </ul>
		Attention	The instrument may become disconnected if continuous measurements are performed at a short measurement interval. In this case, turn off the power to the instrument and then turn it on again.
KmErInvalidParameter	25	Description	The specified parameter is incorrect.
		Action	• Check the input range and enter an appropriate value.
KmErCannotCommand	30	Description	The current instrument does not support the specified function.
		Action	-
KmErNoData	45	Description	No data
		Action	• The necessary data must be registered beforehand.
KmErDataProtected	46	Description	The data is protected.
		Action	• Cancel data protection before performing the operation.
KmErOutOfRangeValue	50	Description	The value is outside the range that can be measured by the instrument.
		Action	-
KmErConnectFailed	100	Description	Failed to connect to the instrument. Or, connection is not established using Connect.
		Action	• Perform operation after establishing the connection using Connect.
KmErDevice	110	Description	A device in the instrument is malfunctioning.
		Action	Check again after restarting the instrument. If this problem persists, contact Customer Service.
KmErAd	111	Description	The A/D converter in the instrument has malfunctioned.
		Action	* If this problem persists even after the instrument is restarted, contact Customer Service.
KmErCharge	112	Description	Charging of the light emission circuit in the instrument has malfunctioned.
		Action	* If this problem persists even after the instrument is restarted, contact Customer Service.
KmErFlash	113	Description	The light emission circuit in the instrument has malfunctioned.
		Action	* If this problem persists even after the

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			instrument is restarted, contact Customer Service.
KmErFinder	114	Description	Operation is not possible because the finder is open.
		Action	<ul style="list-style-type: none"> <li>• Close the finder before performing the operation.</li> <li>* If this error occurs even when the finder is closed, contact Customer Service.</li> </ul>
KmErCalculation	115	Description	The calculation cannot be performed because the required information is lacking.
		Action	* If this problem persists even after the instrument is restarted, contact Customer Service.
KmErCalibration	120	Description	Calibration was not executed in the correct procedure.
		Action	<ul style="list-style-type: none"> <li>• Is the zero calibration box used for zero calibration?</li> <li>• Is the white calibration plate used for white calibration?</li> <li>• Is the gloss calibration plate used for gloss calibration?</li> </ul>
KmErCalibrationRequired	130	Description	Necessary calibration was not executed beforehand.
		Action	<ul style="list-style-type: none"> <li>• Zero calibration must be completed before performing white calibration.</li> <li>• White calibration must be completed before performing gloss calibration.</li> <li>• Gloss calibration must be completed before performing measurements.</li> </ul>
KmErNoCalibrationData	131	Description	Calibration data is not set.
		Action	<ul style="list-style-type: none"> <li>• Set calibration data.</li> </ul>
KmErTiltDetection	140	Description	The instrument is tilted.
		Action	<ul style="list-style-type: none"> <li>• Install the instrument correctly for the sample.</li> </ul>
KmErNotUse	170	Description	This setting cannot be used due to its combination with another setting.
		Action	<ul style="list-style-type: none"> <li>• Change the other setting to solve this problem.</li> </ul>
KmErDisagreeCond	171	Description	This cannot be set because the conditions do not agree.
		Action	<ul style="list-style-type: none"> <li>• Data of the same mode must be associated. For example, opacity data cannot be associated with color+gloss data.</li> </ul>
KmErUvAdjust	172	Description	The measurement sample does not contain fluorescence.
		Action	Be sure to measure an appropriate sample.
KmErBattery	180	Description	Low battery voltage.
		Action	<ul style="list-style-type: none"> <li>• Charge the battery or connect the instrument to a power supply.</li> <li>* If this problem persists even after charging, contact Customer Service.</li> </ul>
KmErMemory	181	Description	Reading or writing the memory in the instrument has failed.
		Action	* If this problem persists even after the instrument is restarted, contact Customer Service.
KmErMotor	182	Description	The motor in the instrument has malfunctioned.

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		Action	* If this problem persists even after the instrument is restarted, contact Customer Service.
KmErNotSupported	190	Description	The instrument supports the function, but the function cannot be used.
		Action	<ul style="list-style-type: none"> <li>• The format being used is not supported. Use another format of the function.</li> <li>• The SDK version is old and the data cannot be used. Upgrade the SDK to a more recent version.</li> </ul>
KmErCalculateColor	195	Description	A color value cannot be calculated from reflectance.
		Action	
KmErCalculateCoef	196	Description	The fluorescence coefficient cannot be calculated.
		Action	Check the tolerance.
KmEr	200	Description	An unexpected error has occurred.
		Action	Check again after restarting the instrument.

**6.2 List of warnings**

Warning ID	Description
WR1	(Battery) Low battery voltage.
WR2	(Time) Recalibration required. It has been a long time since calibration.
WR3	(Time) Periodical calibration required soon.
WR4	(Time) Periodical calibration required. Perform periodical calibration.
WR5	(Reliability) Low light intensity in illuminant for color measurements.
WR6	(Reliability) Reflectance outside range of guaranteed performance.
WR7	(Reliability) Gloss outside range of guaranteed performance.
WR8	(Reliability) Low light intensity in illuminant for gloss measurements.

**CM-MISDK (C# Version) Reference Manual****Appendix A. Available character codes**

The character codes that can be used for names and comments are listed below.

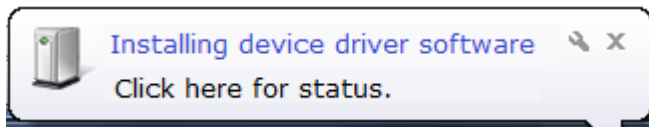
	<b>00</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>40</b>	<b>50</b>	<b>60</b>	<b>70</b>
<b>0</b>			(sp)	0	@	P	`	p
<b>1</b>			!	1	A	Q	a	q
<b>2</b>			"	2	B	R	b	r
<b>3</b>			#	3	C	S	c	s
<b>4</b>			\$	4	D	T	d	t
<b>5</b>			%	5	E	U	e	u
<b>6</b>			&	6	F	V	f	v
<b>7</b>			'	7	G	W	g	w
<b>8</b>			(	8	H	X	h	x
<b>9</b>			)	9	I	Y	i	y
<b>A</b>			*	:	J	Z	j	z
<b>B</b>			+	;	K	[	k	{
<b>C</b>				<	L	¥	l	
<b>D</b>			-	=	M	]	m	}
<b>E</b>			.	>	N	^	n	~
<b>F</b>			/	?	O	_	o	

**CM-MISDK (C# Version) Reference Manual****Appendix B. Installing the device driver**

The device driver for the instrument must be installed in advance to connect the instrument to the PC via USB.

First connect the instrument to the PC, and then turn on the power supply to the instrument.

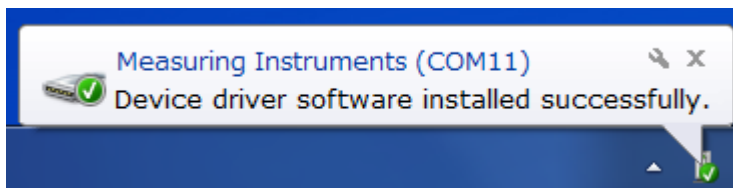
The driver installation will begin automatically. For Windows 7, the "Installing device driver software" popup will be displayed on the taskbar at the bottom right of the screen.



The device driver that is installed may not function correctly due to Windows 10. For this reason, manually install the "KMMIUSB.INF" device driver according to the following installation procedure.

**Automatic installation**

The installation is finished if the automatic installation was successful.

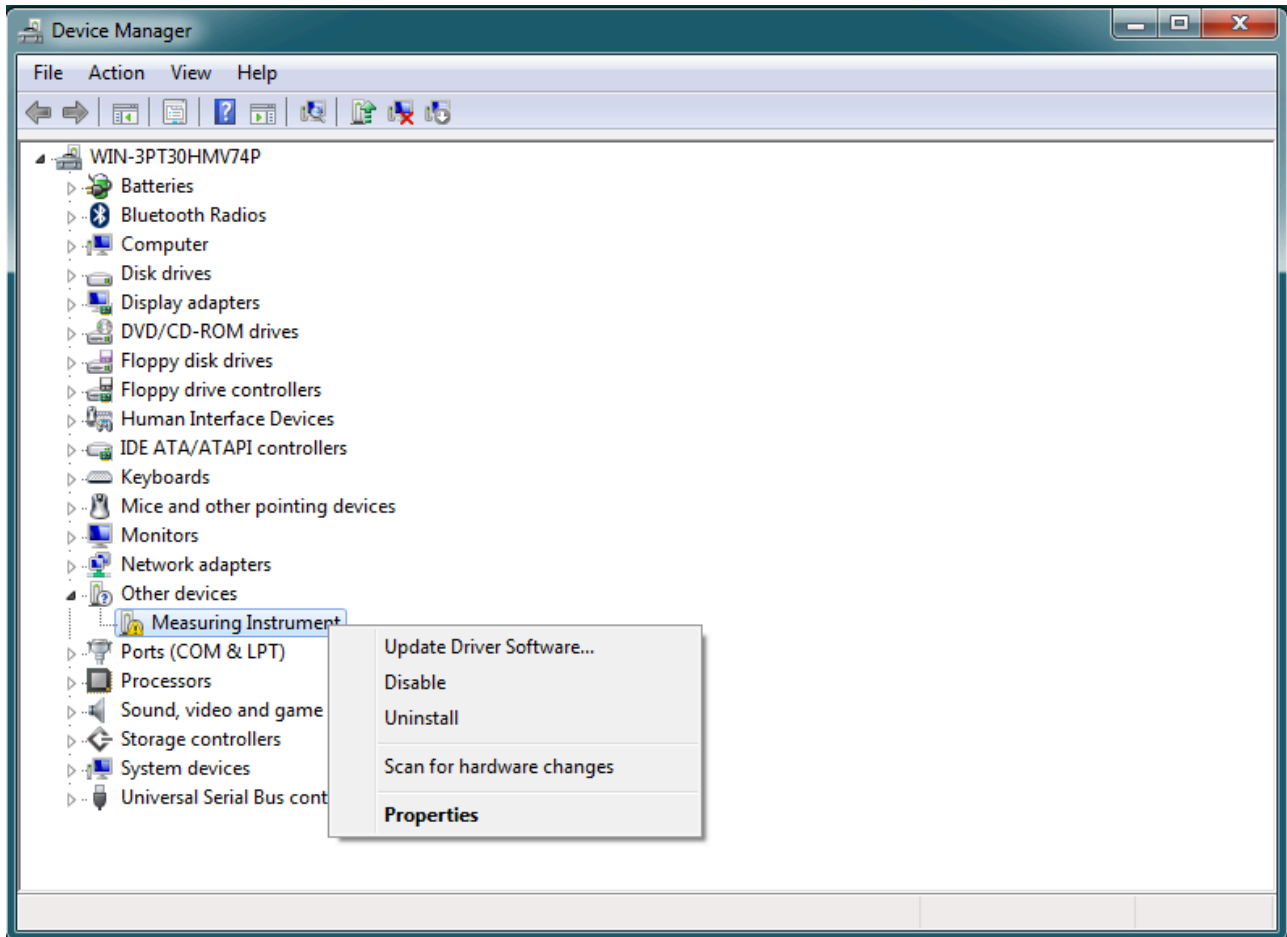
**Manual installation**

If the automatic installation has failed, use the following procedure to perform manual installation.



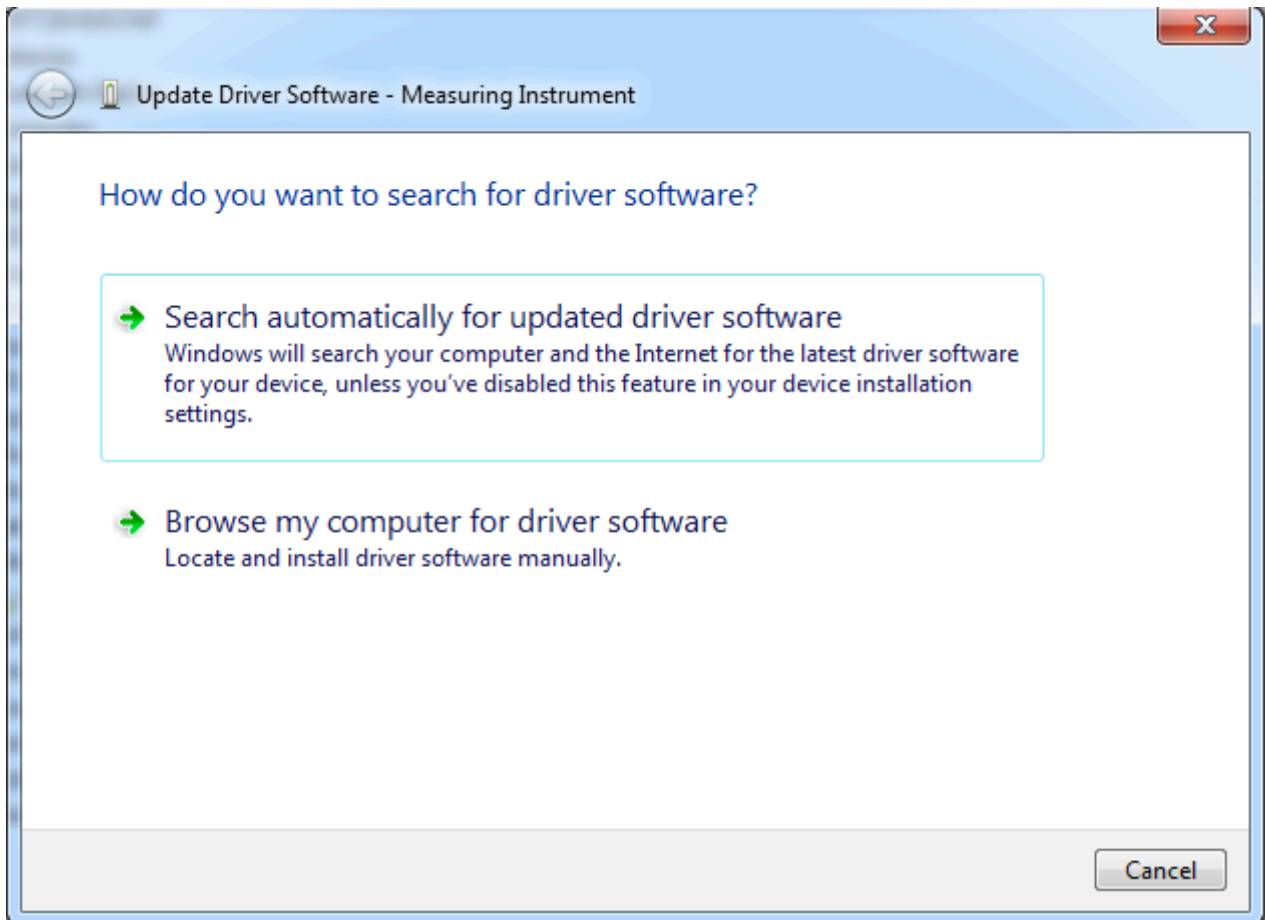
**CM-MISDK (C# Version) Reference Manual**

Open Device Manager, right-click [Other devices]-[Measuring Instruments], and then click [Update Driver Software]. As shown in the following screenshot, the warning symbol will be added to [Measuring Instruments] if the driver installation has failed.



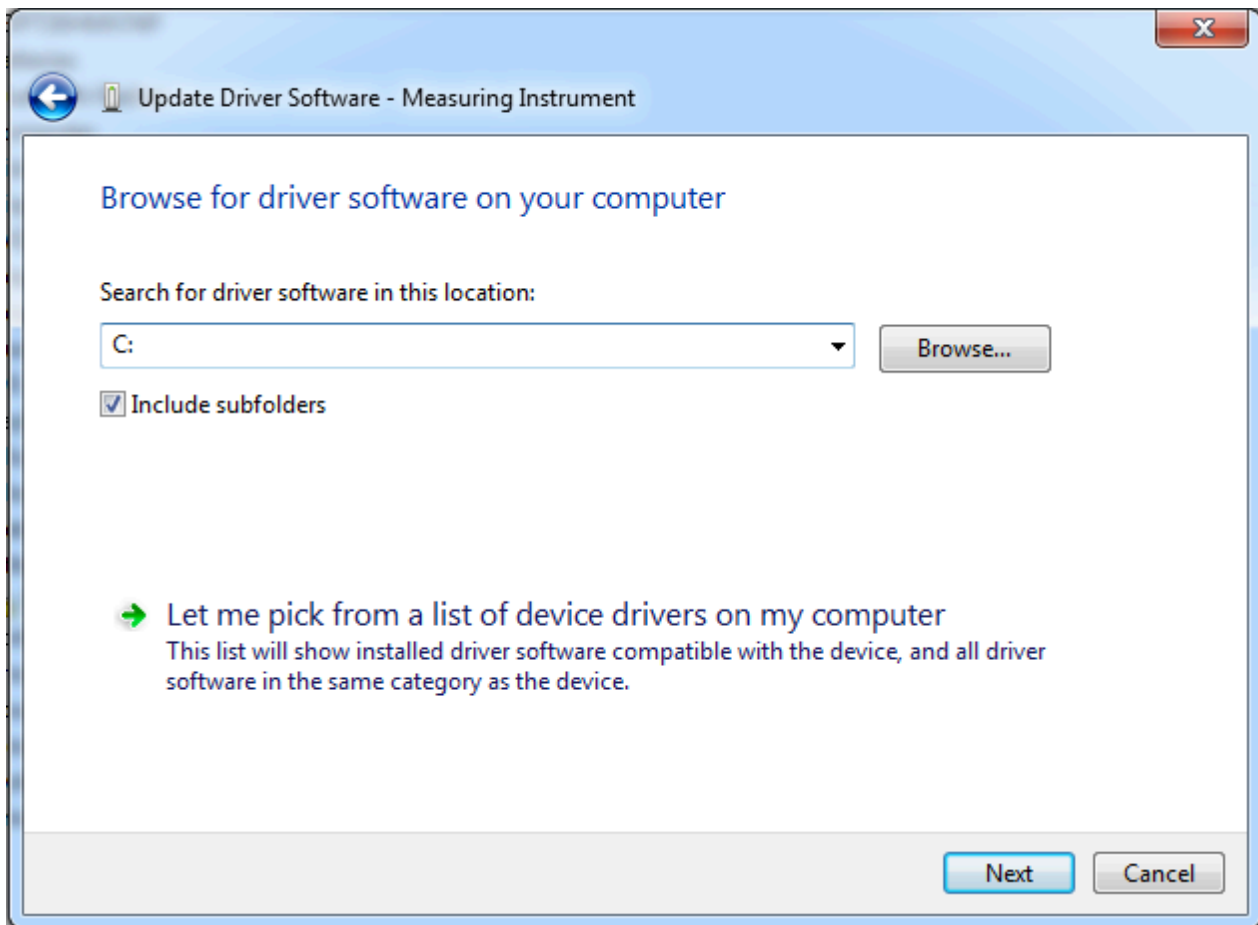
**CM-MISDK (C# Version) Reference Manual**

Click [Browse my computer for driver software].



**CM-MISDK (C# Version) Reference Manual**

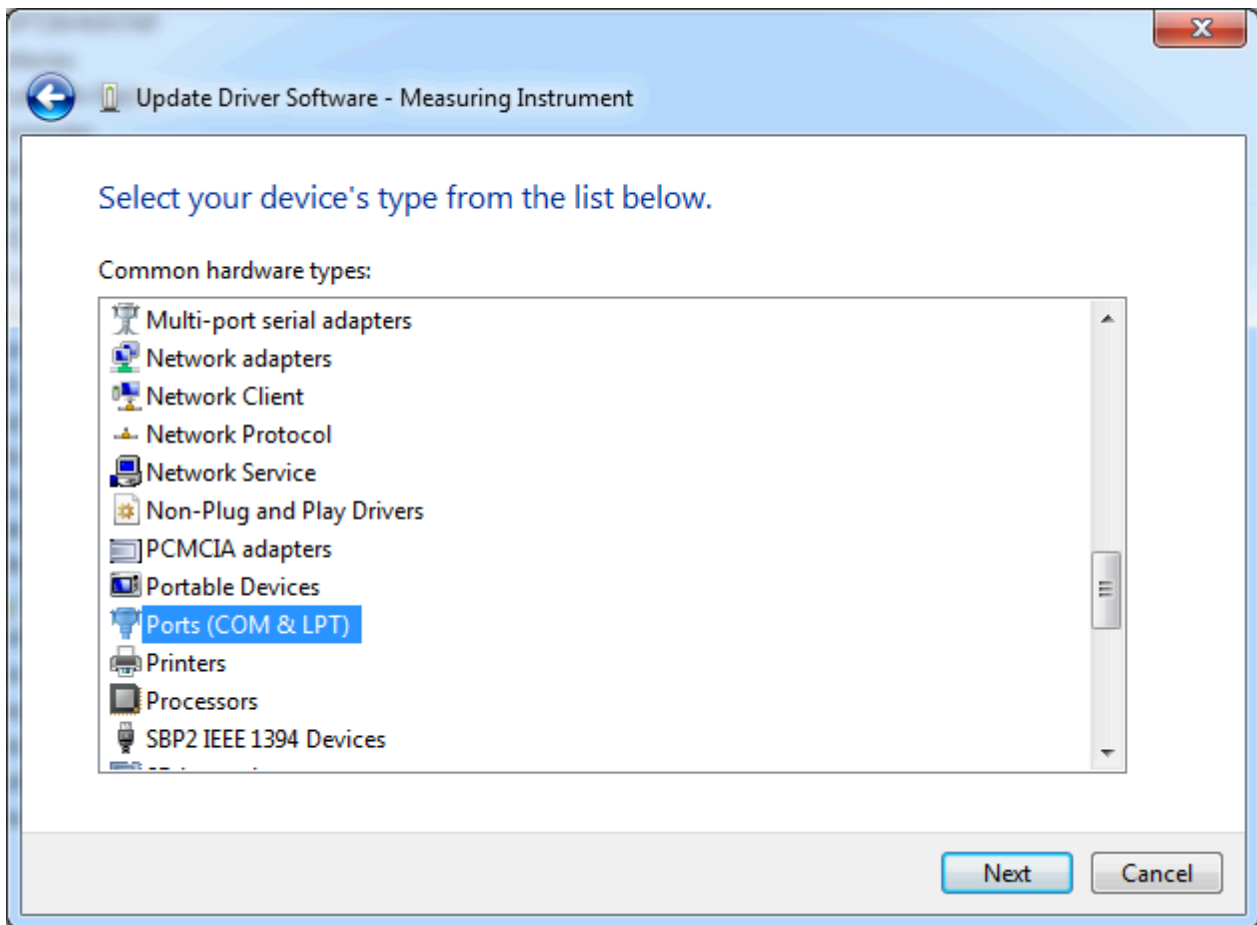
Click [Let me pick from a list of device drivers on my computer].





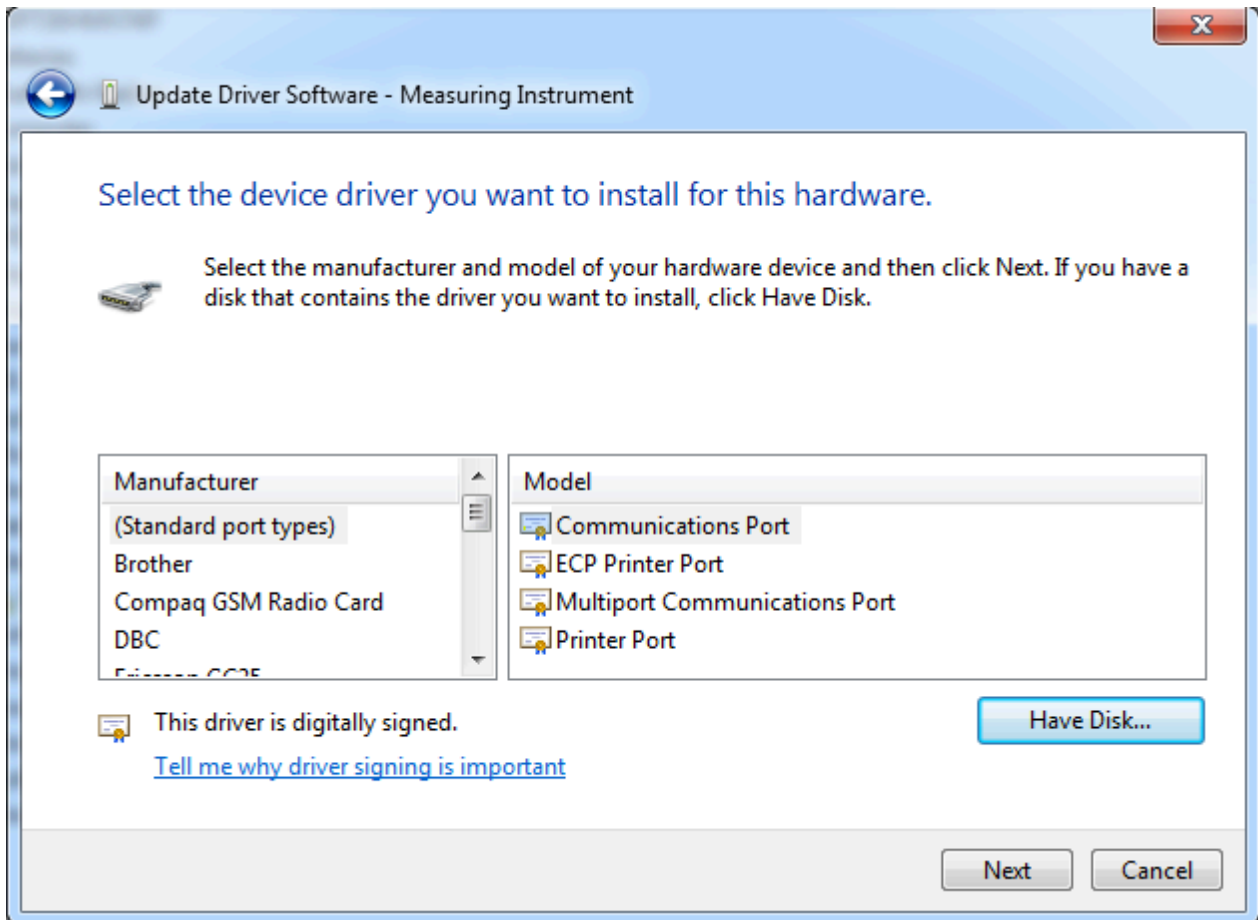
**CM-MISDK (C# Version) Reference Manual**

From the list of common hardware types, click [Ports (COM & LPT)], and then click [Next].



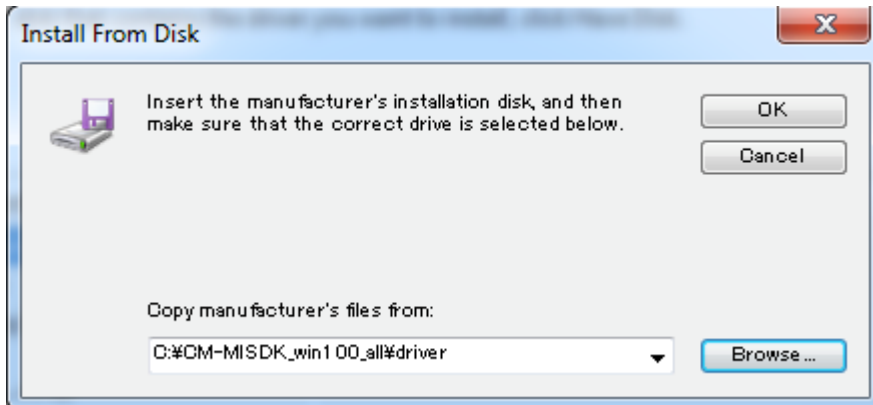
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Click [Have Disk].

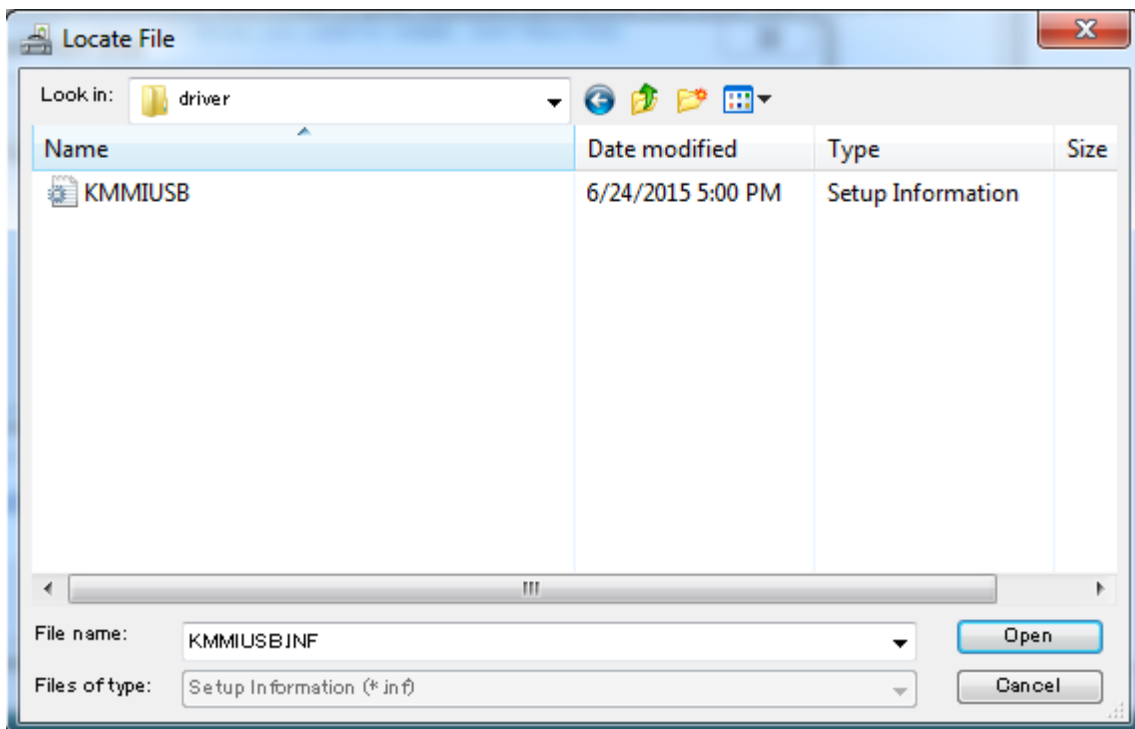


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Click [Browse].

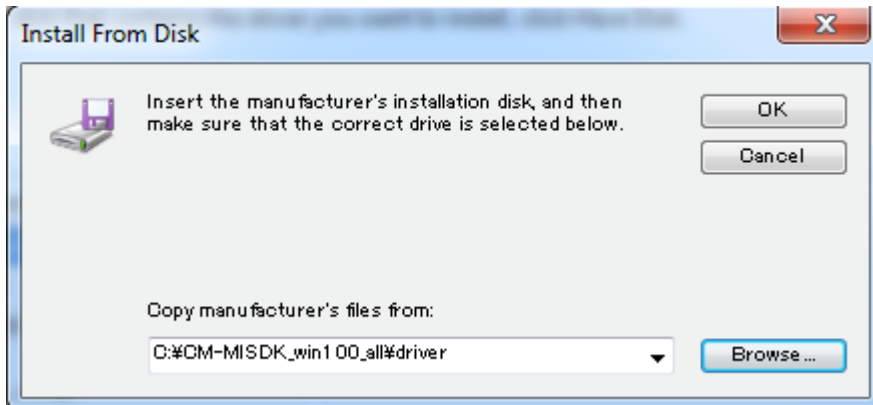


Select the "KMMIUSB.INF" file in "cm-misdk\_verXXXrX/driver/", and then click [Open].

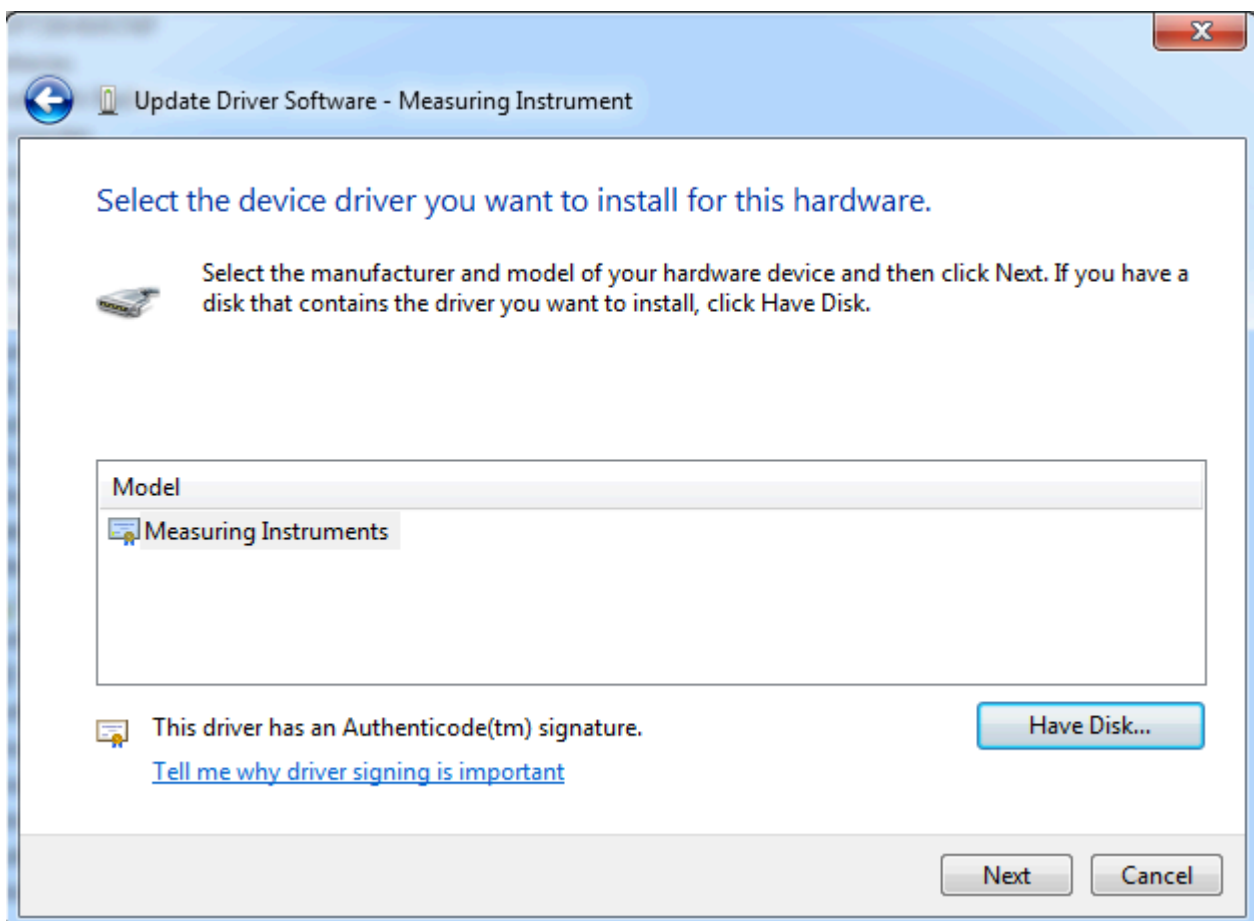


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Click [OK].

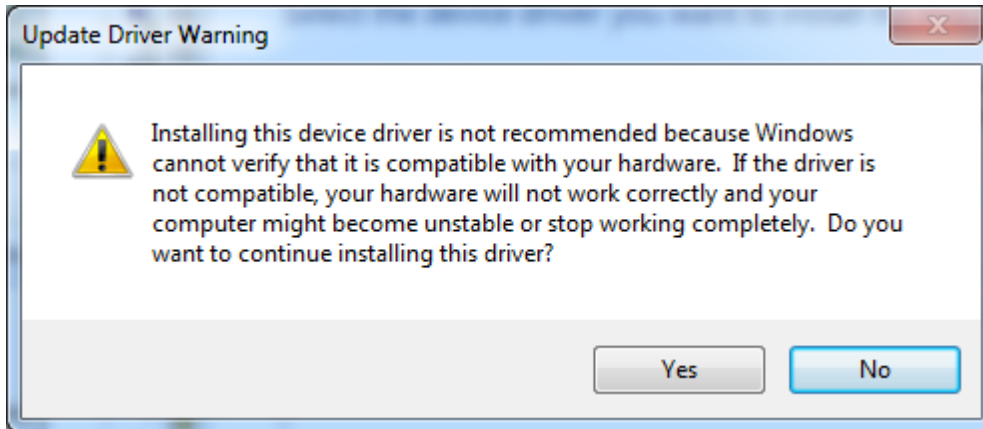


Click [Next].

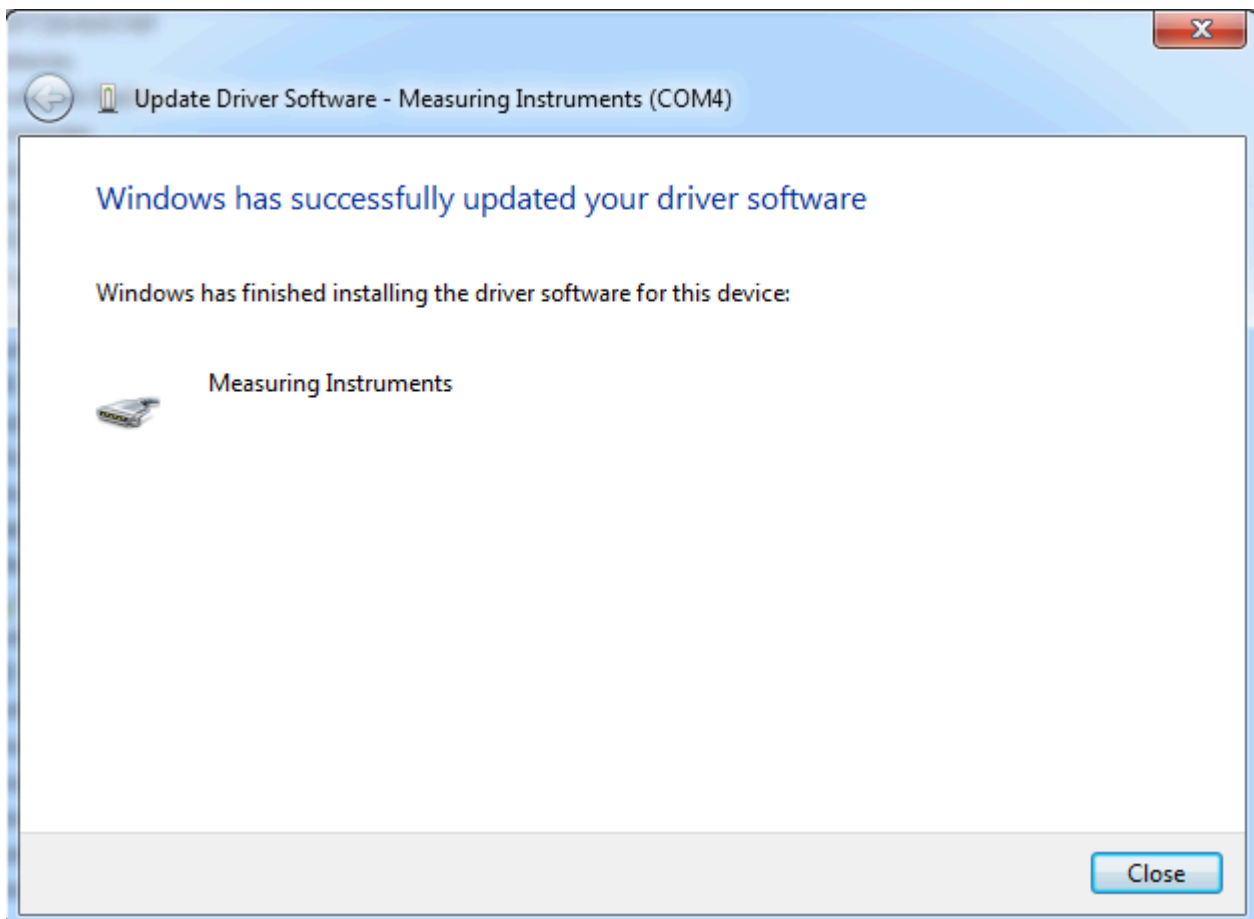


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Click [Yes].



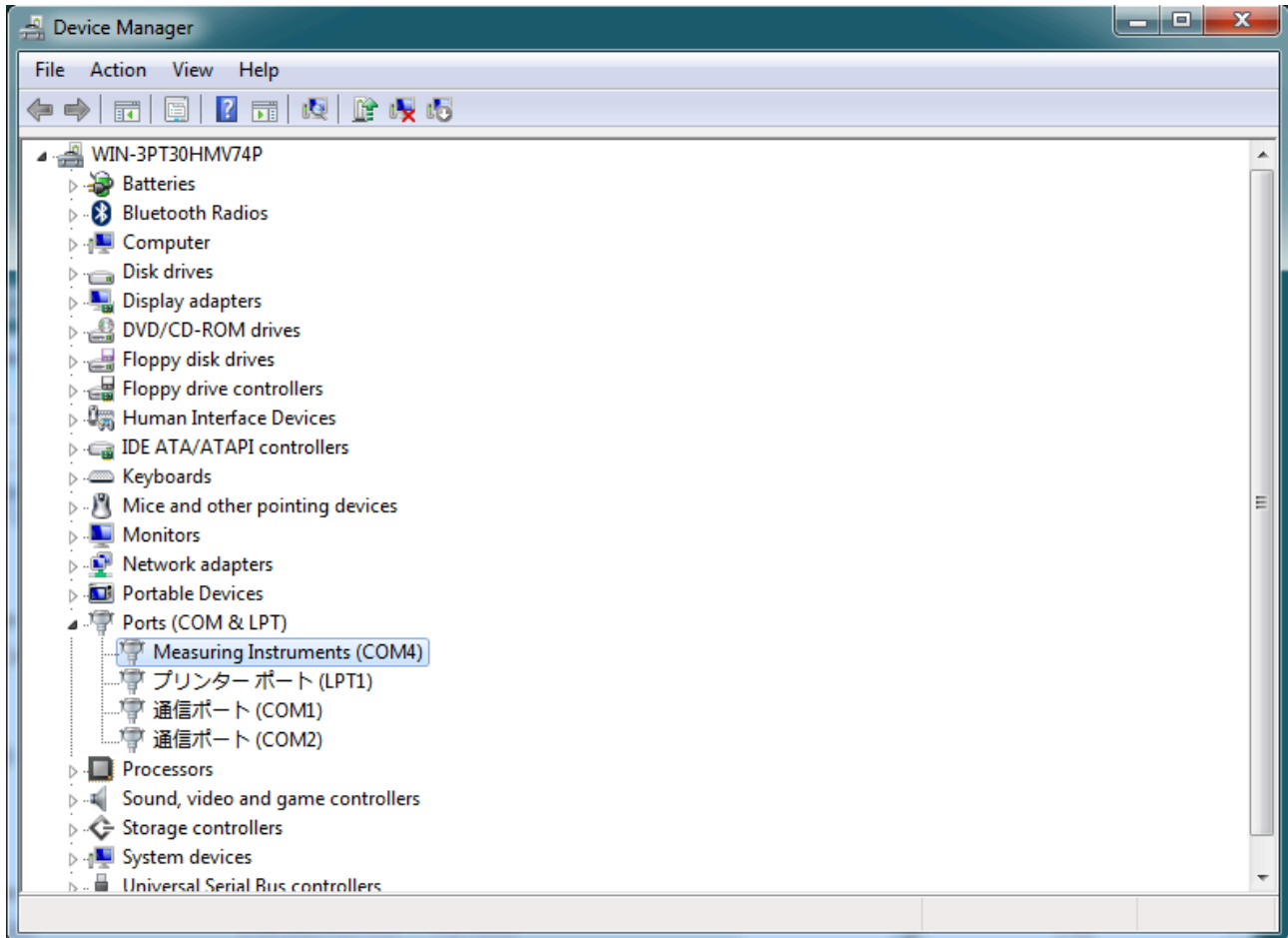
Click [Close] when you have confirmed that the installation has finished.



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The warning symbol on [Measuring Instruments] should no longer be displayed. Next, confirm that the COM number is displayed, and then close the window by clicking x at the top right.

(COM11 is shown in the following screenshot, but the actual COM number will depend on the PC.)



This concludes installation of the driver.

**CM-MISDK (C# Version) Reference Manual****Appendix C. List of parameters settable by instrument and version**

Parameters that can be set on the instrument will depend on the instrument itself and its version. Refer to the following lists.

**Warning status**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
WR1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
WR2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
WR3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
WR4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
WR5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
WR6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
WR7	✓	✓	×	×	✓	✓	×	×	×	×
WR8	✓	✓	×	×	✓	✓	×	×	×	×

**Calibration status**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
StatusZero	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
StatusWhite	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
StatusGloss	✓	✓	×	×	✓	✓	×	×	×	×
StatusMeasure	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
StatusMeasureWrn	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
StatusUser	✓	✓	×	×	✓	✓	✓	✓	✓	✓

**Fluorescence adjustment conditions**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
UVADJ_PROFILE						✓		✓		

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	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
UVADJ_WI						✓		✓		
UVADJ_TINT						×		×		
UVADJ_WITINT						✓		✓		
UVADJ_BRIGHTNESS						✓		✓		
UVADJ_GG						✓		✓		

**Fluorescence coefficient data type**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
UVADJ_DATATYPE_SCI						✓		✓		
UVADJ_DATATYPE_SCE						✓		✓		
UVADJ_DATATYPE_NONE						×		×		

**Measurement area**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
AREA_MAV	✓	✓			✓	✓	✓	✓		
AREA_SAV	✓	✓			✓	✓	✓	✓		
AREA_LAV	×	×			×	×	×	×		
AREA_LMAV	×	×			×	×	×	×		

**Measurement type**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
MEASTYPE_REF										
MEASTYPE_TRA										



**CM-MISDK (C# Version) Reference Manual****Irradiation direction**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26d G 1.0x	26d G 1.1x	26d 1.0x	26d 1.1x	25d	23d
LDIRECTION_NONE			✓	✓						
LDIRECTION_L			✓	✓						
LDIRECTION_R			✓	✓						
LDIRECTION_DP			✓	✓						

**Measurement angle**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
MEAS_ANGLE_M15			✓	✓						
MEAS_ANGLE_15			✓	✓						
MEAS_ANGLE_25			✓	✓						
MEAS_ANGLE_45			✓	✓						
MEAS_ANGLE_75			✓	✓						
MEAS_ANGLE_110			✓	✓						

**Tilt detection**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
OFF			✓	✓						
ON			✓	✓						

**CM-MISDK (C# Version) Reference Manual****Measurement mode**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
MeasModeColorAndGloss	✓	✓			✓	✓	×	×	×	×
MeasModeColorOnly	✓	✓			✓	✓	✓	✓	✓	✓
MeasModeGlossOnly	✓	✓			✓	✓	×	×	×	×
MeasModeOpacity	×	×			✓	✓	✓	✓	✓	✓

**Specular component**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
SC_SCI					✓	✓	✓	✓	✓	✓
SC_SCE					✓	✓	✓	✓	✓	✓
SC_SCIE					✓	✓	✓	✓	✓	✓

**UV condition**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
UV_100					✓	✓	✓	✓		
UV_CUT400					✓	✓	✓	✓		
UV_CUT420					×	×	×	×		
UV_CUT400N					×	(*)	×	(*)		
UV_CUT400L					×	×	×	×		
UV_CUT420N					×	×	×	×		
UV_CUT420L					×	×	×	×		
UV_100_CUT400					×	×	×	×		

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	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
UV_100_CUT420					x	x	x	x		
UV_100_CUT400N					x	✓	x	✓		
UV_100_CUT400L					x	x	x	x		
UV_100_CUT420N					x	x	x	x		
UV_100_CUT420L					x	x	x	x		

(\*): \* Used for data properties and jobs.

**Auto average count**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
Minimum	1	1	1	1	1	1	1	1	1	1
Maximum	10	10	10	10	10	10	10	10	10	10

**Manual average count**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
Minimum	1	1	1	1	1	1	1	1	1	1
Maximum	30	30	10	10	30	30	30	30	30	30

**Manual averaging save mode**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
SAVEMODE_AUTO	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SAVEMODE_MANUAL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

**SMC setting**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
--	--------------	--------------	------------	------------	--------------	--------------	-------------	-------------	-----	-----

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OFF					✓	✓	✓	✓	✓	
ON					✓	✓	✓	✓	✓	

**SMC number of times**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
Minimum					3	3	3	3	3	
Maximum					10	10	10	10	10	

**Display type**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
DISPTYPE_ABS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DISPTYPE_DIF	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DISPTYPE_ABSDIF	✓	✓	×	×	✓	✓	✓	✓	✓	✓
DISPTYPE_CUSTOM	✓	✓	×	×	✓	✓	✓	✓	✓	✓
DISPTYPE_GRAPH_ABS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DISPTYPE_GRAPH_DIF	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DISPTYPE_GRAPH_REF	✓	✓	×	×	✓	✓	✓	✓	✓	✓
DISPTYPE_PASS_FAIL	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DISPTYPE_MI	×	×	✓	✓	×	×	×	×	×	×
DISPTYPE_GRAPH_LINE	×	×	✓	✓	×	×	×	×	×	×
DISPTYPE_AUDI2000_EC	×	×	×	✓	×	×	×	×	×	×
DISPTYPE_AUDI2000_EP	×	×	×	✓	×	×	×	×	×	×

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	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
Deg02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Deg10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

**Illuminant**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
ILL_None	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
ILL_A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ILL_C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ILL_D50	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ILL_D65	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ILL_ID50	✓	✓	×	×	✓	✓	✓	✓	✓	✓
ILL_ID65	✓	✓	×	×	✓	✓	✓	✓	✓	✓
ILL_F2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ILL_F6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ILL_F7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ILL_F8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ILL_F10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ILL_F11	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ILL_F12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ILL_USER1	✓	✓	×	✓	✓	✓	✓	✓	✓	×

(\*) Only the second illuminant can be set.

**CM-MISDK (C# Version) Reference Manual****Color space**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
COLOR_LAB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
COLOR_LCH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
COLOR_HLAB	✓	✓	×	×	✓	✓	✓	✓	✓	×
COLOR_YXY	✓	✓	×	×	✓	✓	✓	✓	✓	✓
COLOR_XYZ	✓	✓	×	×	✓	✓	✓	✓	✓	✓
COLOR_MUNSELL_C	✓	✓	×	×	✓	✓	✓	✓	✓	✓

**Color equation**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
EQUATION_DE1976	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
EQUATION_CMC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
EQUATION_DE1994	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
EQUATION_DE2000	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
EQUATION_DEH	✓	✓	×	×	✓	✓	✓	✓	✓	×
EQUATION_DEP	×	×	✓	✓	×	×	×	×	×	×
EQUATION_DEC	×	×	✓	✓	×	×	×	×	×	×
EQUATION_DE99o	×	✓	×	✓	✓	✓	✓	✓	✓	×

**Custom items**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
None	✓	✓			✓	✓	✓	✓	✓	✓
L*	✓	✓			✓	✓	✓	✓	✓	✓
a*	✓	✓			✓	✓	✓	✓	✓	✓

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	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
b*	✓	✓			✓	✓	✓	✓	✓	✓
C*	✓	✓			✓	✓	✓	✓	✓	✓
h	✓	✓			✓	✓	✓	✓	✓	✓
L(Hunter)	✓	✓			✓	✓	✓	✓	✓	×
a(Hunter)	✓	✓			✓	✓	✓	✓	✓	×
b(Hunter)	✓	✓			✓	✓	✓	✓	✓	×
X	✓	✓			✓	✓	✓	✓	✓	✓
Y	✓	✓			✓	✓	✓	✓	✓	✓
Z	✓	✓			✓	✓	✓	✓	✓	✓
x	✓	✓			✓	✓	✓	✓	✓	✓
y	✓	✓			✓	✓	✓	✓	✓	✓
H	✓	✓			✓	✓	✓	✓	✓	✓
V	✓	✓			✓	✓	✓	✓	✓	✓
C	✓	✓			✓	✓	✓	✓	✓	✓
WI(E313-73)	✓	✓			✓	✓	✓	✓	✓	✓
WI(CIE)	✓	✓			✓	✓	✓	✓	✓	×
Tint(CIE)	✓	✓			✓	✓	✓	✓	✓	×
YI(E313)	✓	✓			✓	✓	✓	✓	✓	×
YI(D1925)	✓	✓			✓	✓	✓	✓	✓	✓
B(ISO)	✓	✓			✓	✓	✓	✓	✓	×
GU	✓	✓			✓	✓	×	×	×	×
UserE1	✓	✓			✓	✓	✓	✓	✓	✓
UserC1	✓	✓			✓	✓	✓	✓	✓	✓
UserE2	✓	✓			✓	✓	✓	✓	✓	✓
UserC2	✓	✓			✓	✓	✓	✓	✓	✓
UserE3	✓	✓			✓	✓	✓	✓	✓	✓
UserC3	✓	✓			✓	✓	✓	✓	✓	✓
8° gloss	×	×			×	×	✓	✓	✓	×
WI(Ganz)	×	×			×	✓	×	✓	×	×
Tint(Ganz)	×	×			×	✓	×	✓	×	×

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	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
$\Delta L^*$	✓	✓			✓	✓	✓	✓	✓	✓
$\Delta a^*$	✓	✓			✓	✓	✓	✓	✓	✓
$\Delta b^*$	✓	✓			✓	✓	✓	✓	✓	✓
$\Delta C^*$	✓	✓			✓	✓	✓	✓	✓	✓
$\Delta H^*$	✓	✓			✓	✓	✓	✓	✓	✓
$\Delta L(\text{Hunter})$	✓	✓			✓	✓	✓	✓	✓	×
$\Delta a(\text{Hunter})$	✓	✓			✓	✓	✓	✓	✓	×
$\Delta b(\text{Hunter})$	✓	✓			✓	✓	✓	✓	✓	×
$\Delta X$	✓	✓			✓	✓	✓	✓	✓	✓
$\Delta Y$	✓	✓			✓	✓	✓	✓	✓	✓
$\Delta Z$	✓	✓			✓	✓	✓	✓	✓	✓
$\Delta x$	✓	✓			✓	✓	✓	✓	✓	✓
$\Delta y$	✓	✓			✓	✓	✓	✓	✓	✓
$\Delta WI(\text{E313-73})$	✓	✓			✓	✓	✓	✓	✓	✓
$\Delta WI(\text{CIE})$	✓	✓			✓	✓	✓	✓	✓	×
$\Delta Tint(\text{CIE})$	✓	✓			✓	✓	✓	✓	✓	×
$\Delta YI(\text{E313})$	✓	✓			✓	✓	✓	✓	✓	×
$\Delta YI(\text{D1925})$	✓	✓			✓	✓	✓	✓	✓	✓
$\Delta B(\text{ISO})$	✓	✓			✓	✓	✓	✓	✓	×
$\Delta GU$	✓	✓			✓	✓	×	×	×	×
MI	✓	✓			✓	✓	✓	✓	✓	✓
$\Delta E^*ab$	✓	✓			✓	✓	✓	✓	✓	✓
CMC	✓	✓			✓	✓	✓	✓	✓	✓
$\Delta E^*94$	✓	✓			✓	✓	✓	✓	✓	✓
$\Delta E00$	✓	✓			✓	✓	✓	✓	✓	✓
$\Delta E(\text{Hunter})$	✓	✓			✓	✓	✓	✓	✓	×
$\Delta E99o$	×	✓			✓	✓	✓	✓	✓	×
StrengthXYZ	×	×			✓	✓	✓	✓	✓	×
StrengthX	×	×			✓	✓	✓	✓	✓	×
StrengthY	×	×			✓	✓	✓	✓	✓	×



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	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
StrengthZ	×	×			✓	✓	✓	✓	✓	×
GreyScale	×	×			✓	✓	✓	✓	✓	×
ΔWI(Ganz)	×	×			×	✓	×	✓	×	×
ΔTint(Ganz)	×	×			×	✓	×	✓	×	×

**Irradiation direction to display**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
DIRECTION_DP				✓						
DIRECTION_L				✓						

**Target filter**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
FILTER_OFF	✓	✓			✓	✓	✓	✓	✓	✓
FILTER_SAVE	✓	✓			✓	✓	✓	✓	✓	✓
FILTER_GROUP	✓	✓			✓	✓	✓	✓	✓	✓

**Target protection**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
OFF	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ON	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

**CM-MISDK (C# Version) Reference Manual****Tolerance ID**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
$\Delta L^*$	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
$\Delta a^*$	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
$\Delta b^*$	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
$\Delta C^*$	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
$\Delta H^*$	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
$\Delta L(\text{Hunter})$	✓	✓	×	×	✓	✓	✓	✓	✓	×
$\Delta a(\text{Hunter})$	✓	✓	×	×	✓	✓	✓	✓	✓	×
$\Delta b(\text{Hunter})$	✓	✓	×	×	✓	✓	✓	✓	✓	×
$\Delta X$	✓	✓	×	×	✓	✓	✓	✓	✓	✓
$\Delta Y$	✓	✓	×	×	✓	✓	✓	✓	✓	✓
$\Delta Z$	✓	✓	×	×	✓	✓	✓	✓	✓	✓
$\Delta x$	✓	✓	×	×	✓	✓	✓	✓	✓	✓
$\Delta y$	✓	✓	×	×	✓	✓	✓	✓	✓	✓
$\Delta WI(E313-73)$	✓	✓	×	×	✓	✓	✓	✓	✓	✓
$\Delta WI(CIE)$	✓	✓	×	×	✓	✓	✓	✓	✓	×
$\Delta Tint(CIE)$	✓	✓	×	×	✓	✓	✓	✓	✓	×
$\Delta YI(E313)$	✓	✓	×	×	✓	✓	✓	✓	✓	×
$\Delta YI(D1925)$	✓	✓	×	×	✓	✓	✓	✓	✓	✓
$\Delta B(ISO)$	✓	✓	×	×	✓	✓	✓	✓	✓	×
$\Delta GU$	✓	✓	×	×	✓	✓	×	×	×	×
MI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
$\Delta E^*ab$	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CMC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
$\Delta E^*94$	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
$\Delta E00$	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
$\Delta E(\text{Hunter})$	✓	✓	×	×	✓	✓	✓	✓	✓	×
$\Delta E_p(\text{DIN6175})$	×	×	✓	✓	×	×	×	×	×	×
$\Delta E_c(\text{DIN6175})$	×	×	✓	✓	×	×	×	×	×	×
$\Delta FF$	×	×	✓	✓	×	×	×	×	×	×
$\Delta E99o$	×	✓	×	✓	✓	✓	✓	✓	✓	×
$\Delta E_c(\text{Audi2000})$	×	×	×	✓	×	×	×	×	×	×
$\Delta E_c \text{ average (Audi2000)}$	×	×	×	✓	×	×	×	×	×	×
$\Delta E_c \text{ maximum (Audi2000)}$	×	×	×	✓	×	×	×	×	×	×
$\Delta E_p(\text{Audi2000})$	×	×	×	✓	×	×	×	×	×	×
$\Delta E_p \text{ average (Audi2000)}$	×	×	×	✓	×	×	×	×	×	×
$\Delta E_p \text{ maximum (Audi2000)}$	×	×	×	✓	×	×	×	×	×	×
$\Delta \text{StrengthXYZ}$	×	×	×	×	✓	✓	✓	✓	✓	×
$\Delta \text{strengthX}$	×	×	×	×	✓	✓	✓	✓	✓	×
$\Delta \text{strengthY}$	×	×	×	×	✓	✓	✓	✓	✓	×
$\Delta \text{strengthZ}$	×	×	×	×	✓	✓	✓	✓	✓	×
Opacity difference	×	×	×	×	✓	✓	✓	✓	✓	✓
Grayscale difference	×	×	×	×	✓	✓	✓	✓	✓	×
$\Delta WI(\text{Ganz})$	×	×	×	×	×	✓	×	✓	×	×
$\Delta Tint(\text{Ganz})$	×	×	×	×	×	✓	×	✓	×	×

**CM-MISDK (C# Version) Reference Manual****Warning level**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
Minimum	0	0	0	0	0	0	0	0	0	0
Maximum	100	100	100	100	100	100	100	100	100	100

**Instrument mode**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
INSTRUMENTMODE_NORMAL					✓	✓	✓	✓	✓	✓
INSTRUMENTMODE_SIMPLE					✓	✓	✓	✓	✓	✓

**User type**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
USERTYPE_ADMIN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
USERTYPE_WORKER	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

**Automatic printing**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
OFF	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ON	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

**Display brightness**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
Minimum	0	0	0	0	0	0	0	0	0	0
Maximum	4	4	4	4	4	4	4	4	4	4

**CM-MISDK (C# Version) Reference Manual****Display direction**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
SCREENDIR_0			✓	✓	✓	✓	✓	✓	✓	✓
SCREENDIR_180			✓	✓	✓	✓	✓	✓	✓	✓

**Sound**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
OFF	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ON	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

**Calibration interval**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
Minimum	1	1	1	1	1	1	1	1	1	1
Maximum	24	24	24	24	24	24	24	24	24	24

**User calibration**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
OFF	✓	✓			✓	✓	✓	✓	✓	
ON	✓	✓			✓	✓	✓	✓	✓	

**Periodical calibration notification**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
OFF	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ON	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

**CM-MISDK (C# Version) Reference Manual****Skip zero calibration on/off**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
OFF					✓	✓	✓	✓	✓	✓
ON					✓	✓	✓	✓	✓	✓

**Date format**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
DF_YYYYMMDD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DF_MMDDYYYY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DF_DDMMYYYY	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

**Language**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
LANGUAGE_ENGLISH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LANGUAGE_JAPANESE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LANGUAGE_GERMAN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LANGUAGE_FRENCH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LANGUAGE_SPANISH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LANGUAGE_ITALIAN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LANGUAGE_CHINESE_S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LANGUAGE_PORTUGUESE	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LANGUAGE_RUSSIAN	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LANGUAGE_POLISH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LANGUAGE_TURKISH	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

**CM-MISDK (C# Version) Reference Manual****Power savings**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
Minimum		0		0	0	0	0	0	0	0
Maximum		60		60	60	60	60	60	60	60

**Job**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
Job name (size)					20	20	20	20	20	20
Data name (size)					30	30	30	30	30	30
Comment (size)					100	100	100	100	100	100

**Date/time type**

	25cG 1.0x	25cG 1.1x	M6 1.0x	M6 1.1x	26dG 1.0x	26dG 1.1x	26d 1.0x	26d 1.1x	25d	23d
DATETYPE_COLOR	✓	✓			✓	✓				
DATETYPE_GLOSS	✓	✓			✓	✓				

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