## Spectrophotometer CM-26dG CM-26d CM-25d

## **En Basic Operating Instructions**



Please read before using the instrument.

This manual explains the basic procedures for measuring color and/or gloss with the CM-26dG / 26d / 25d spectrophotometers. Use this 2D code to download this manual in pdf form.

Note)

For setting and operation details, see the instruction manual of the CM-26dG / 26d / 25d.





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## **Names of Parts**

### Instrument



### Display (LCD Screen) P.22, Instruction Manual



### Operation Keys



[MENU] key Displays the <Settings> screen.

### [Confirmation] key

Sets the item or setting indicated by the cursor on the various setting screens. This key also switches to detail screens for data selected in the list displayed on the **<Results Display>** screen.

### [◀, ▶, ▲, ▼] keys

Switches screen tabs from the <Results Display> screen, moves the cursor on the <Settings> screen, or changes the selected value.

### [ESC] key

Returns to the previous screen without configuring the settings when pressed on the **<Settings> screen**, and returns to list screen when pressed on the sample details screen.

### **Names of Parts**



## Measurement



## 1 Turning the Power ON

Instruction Manual

### 1 Press and hold the power switch for about 1 second.



 When first turning the instrument ON after purchasing, the language setting screen will be displayed, followed by the date and time setting screen. Configure the settings according to P.103 and P.104.



### Measurement

000 10:25

10:27

GM 10:50

4 1/16

#### Gloss If using the CM-26dG, perform calibration gloss calibration next. only with the 26dG (4) Place the instrument P.38. in the gloss calibration Instruction Manual position. Place the instrument on the Please set the instrument on the gloss calibration calibration plate and stage press the neasurement hintton. according to Calibration stage the marks. 6Loss 10: 10000102 KONICA MINOLTA. INC. (C)2018 (5) Press the 1+E 810 MI C measurement button. **F**CALIBRATION · Gloss calibration will be performed. Do not move the instrument until aloss calibration is complete. · When gloss calibration is completed, the screen returns KONICA MINOLTA. INC. (C)2018 to the <Sample> screen. I+E∜100 MC đ ample ∲0001

### Measurement



### (1) Check the Sample screen.

If not displayed, switch to the Sample screen.







<measurement screen>



000 10:54

### (2) Set the specimen measuring port on the sample to measure.

Take care to prevent floating or tilting from occurring.



### (3) Press the measurement button.



The results are displayed on the screen. The sample was saved as "0001".



# <Measuring color difference in the normal mode>



### <Measuring color difference in the normal mode>

Color difference target settings



# Setting color difference by measuring a target

## 1 Display the target or target list screen.



Set the target number with the  $[\blacktriangle]$  and  $[\heartsuit]$  keys before imparting measurement.





### (2) Set the specimen measuring port on the sample to measure.

 Take care to prevent floating or tilting from occurring.

### 3 Press the measurement button.



- The results are displayed on the screen.
- The selected number is used as the target data number. If data already exists under that number, the instrument asks whether to overwrite that data or not, therefore enter the target by pressing the [Confirmation] key.





The target is set.





 Select <Target Menu> - <Pass/Fail> - "Edit tolerance".









I+E \$10 Tarset 0001 Edit tol	erance	tiii 11:00
	⊲ SCI 10°/D65 1	► 2 10°/⊑11
▲ل*	+1.00	+1.00
46∆	+1.00	+1.00
∆b*	+1.00	+1.00
∿E*ab	+1.00	+1.00
	+1.00	+1.00

#### Settings

- x / y : -0.2000 to 0.2000
- O Equation / MI : 0.00 to 20.00
- Other than the above : -20.00 to 20.00





 ③ Once settings have been completed, select "OK" to establish them.



(4) Close the "Edit tolerance" screen.





+0.50 -0.50 +1.00

-1.00

+1.00

-1.00

I+E X100 MS of

Edit tolerance

A8\*

<u>۵</u>b\*

TINN (

000 11:04

+1.00

-1.00

+1.00

-1.00

3 Measurement

Instruction Manual

1 Display the Sample screen.



Select a target number before imparting measurement.

I+E Sampl	:100 M≎ of ∋ ∲ 0001	GIII 11:06
UUU	T	$\checkmark$
	SC	
	€10°/D65	210°/F11
L*	47.62	52.40
a*	52.42	52.37
b*	27.59	35.57
GU	12.72	12.72
2019/ 0001	/02/20 10:56	:19 8100 M8

### 2 Set the specimen measuring port on the sample to measure.

• Take care to prevent floating or tilting from occurring.



## ③ Press the measurement button.



- The results are displayed on the screen.
- A sample number is automatically assigned in the order of measurement.



Mark signifying a "Pass" judgment

### <Measuring color difference in the simple mode>



(2) Press the [Target/Sample] button or [ESC] button to switch to the simple measurement screen.







### 1 Press the measurement button.



#### Notes

 Measurement data is not saved in the simple mode.

 The opacity mode cannot be selected while the instrument is in the simple mode. Moreover, the simple mode cannot be engaged while the opacity mode is active.

I+E Sampli	100 M0 OT	@ 13:21
		$\checkmark$
	SC 10°/D65	21 10°/F11
۵L*	0.17	0.16
×64	-0.13	-0.05
∆b*	0.43	0.45
∆E*ab	0.48	0.48
⊿GU	-0.14	-0.14
ні	0.08	0.08
2019/	02/20 13:20	59 810 M8

# **Setting measurement conditions**

Measurement conditions (Measurement mode, SMT Times, Observer/Illuminant, Display) must be set before imparting measurement.

### The menu items that can be set are as follows. P.87 - 107, Instruction Manual

#### Measurement cond.

Measurement mode

Color & Gloss / Color only / Gloss only / Opacity

#### Measurement setup

Specular component

UV

Auto average

Manual average

Manual average option (SMC average option)

SMC

SMC Threshold

**SMC** Times

#### Observer/Illuminant

Observer/Illuminant 1

Observer/Illuminant 2

Display cond.

Display type

Color space

Color difference equation

Custom 01 to 14

		13:2	1
Si	anple		
	🔶 🥕 🧿 🌾 🗳		
٩	Measurement cond.	►	
	Measurement mode		
	Color & Gi	055	
	Measurement setup		
		ų.	
	Observer/Illuninant		
		L.	
	Display cond.		
		4	

## How to set the measuring instrument

To set measurement instrument options, select "Instrument setup" from the <Setting> screen.

The menu items that can be set are as follows. P.108 - 117, Instruction Manual

Instrument setup

User type

Language

Date format

Date & time

Brightness

Direction

Beep

Auto power off

Password setting





En 9222-AC5J-43 CBHAKK

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