KONICA MINOLTA

NEW Spectrophotometer

CM-26d
CM-25d

Highest level of accuracy in the industry
Latest models from Konica Minolta

Inter-instrument agreement within ΔE*ab 0.12

Changeable target masks Ø8 mm, Ø3 mm

Repeatability within σΔE*ab 0.02

(Specifications of CM-26d)

Highest levels of inter-instrument agreement and repeatability in the industry

- Inter-instrument agreement: Within ΔE*ab 0.12 *1
- Repeatability : Standard deviation within ΔE*ab 0.02*1

*1 Based on Konica Minolta measurement conditions (CM-26d)

Easy for anyone to use

- Improved usability owing to a 2.7-inch display and handy viewfinder for quick alignment
- CM-CT1 Configuration Tool *2 supported for quick and easy setup

*2 Available for download on the web

Fast simultaneous SCI + SCE measurements

- Measurement time Approx. 1.3 s*3 (Approx. 2.4 s for earlier models)

*3 Time from pressing measurement button to end of measurement as determined by Konica Minolta methods

■ **Performance by model**

	CM-26d	CM-25d
SCI	●	●
SCE	●	●
MAV (Ø8 mm)	●	●
SAV (Ø3 mm)	●	—
UV	100% / 0% selectable	0% only
Inter-instrument agreement (ΔE*ab)	<0.12	<0.20
Repeatability (σΔE*ab)	<0.02	<0.04
Wavelength range	360 - 740 nm	400 - 700 nm

■ **Optional Accessories**

Stapler Type Target Mask CM-A268

Target Mask (MAV; w/ glass) CM-A277 (Available late 2019)

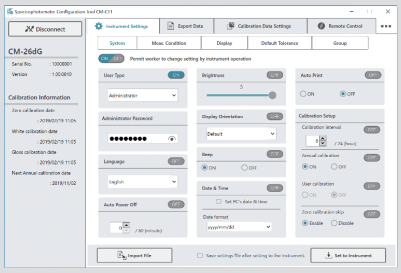
The Standard in Measuring Color & Light

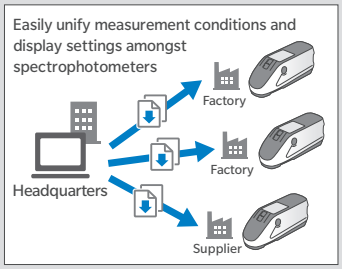
Giving Shape to Ideas

Quick and easy-to-use Spectrophotometer Configuration Tool CM-CT1

The CM-CT1 lets manufacturers set up their CM-26d/CM-25d spectrophotometers quickly and easily. Settings can also be saved to a file for performing the same settings on multiple instruments or sharing settings amongst factories.

Spectrophotometer Configuration Tool CM-CT1 ●OS : Windows® 7 32 bit, 64 bit / Windows® 8.1 32 bit, 64 bit / Windows® 10 32 bit, 64 bit ●CPU: 2 GHz equivalent or faster ●Memory: 2 GB or more ●Hard disk: 10 GB or more of free space for installation ●Display: Resolution: 1,024 x 720 pixels or more/ 16-bit colors or more ●Other: USB port (For connecting to spectrophotometers)
•Windows® is a trademark or registered trademark of Microsoft Corporation in the USA and other countries.



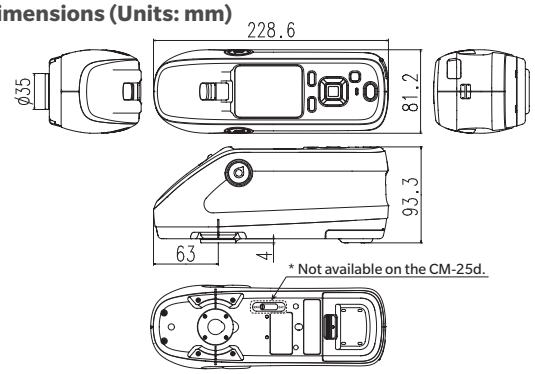


Specifications

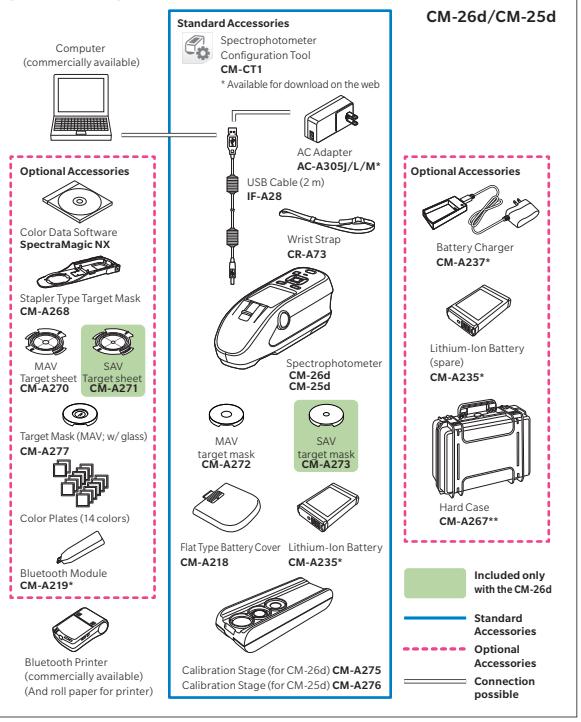
Model	CM-26d	CM-25d
Illumination/ viewing system	di: 8°, de: 8° (diffuse illumination: 8° viewing) SCI (specular component included) / SCE (specular component excluded) switchable	
Integrating sphere	Ø54 mm	
Light source	Pulsed xenon lamp ×2	Pulsed xenon lamp ×1
Detector	Dual 40-element silicon photodiode arrays	Dual 32-element silicon photodiode arrays
Spectral separation device	Planar diffraction grating	
Measurement wavelength range	360 to 740 nm	400 to 700 nm
Measurement wavelength pitch	10 nm	
Half bandwidth	Approx. 10 nm	
Reflectance measurement range	0 to 175%; Display resolution: 0.01	
Illumination area	MAV : Ø12 mm SAV : Ø6 mm	MAV : Ø12 mm
Measurement area	MAV: Ø8 mm, SAV: Ø3 mm	MAV : Ø8 mm
Repeatability	Standard deviation within ΔE*ab 0.02	Standard deviation within ΔE*ab 0.04
	(When a white calibration plate is measured 30 times at 5-second intervals after white calibration)	
Inter-instrument agreement	Within ΔE*ab 0.12	Within ΔE*ab 0.20
	(Based on average for 12 BCRA Series II color tiles; MAV SCI; compared to values measured with a master body under KONICA MINOLTA standard measurement conditions)	
UV	100% / 0% selectable	0% only
Observer	2° observer angle, 10° observer angle	
Illuminant	A, C, D50, D65, F2, F6, F7, F8, F10, F11, F12, ID50, ID65, User-defined illuminant*1 (Simultaneous evaluation with two light sources possible)	
Display items	Colorimetric values/graph, color difference values/graph, spectral graph, pass/fail judgment, pseudocolor	
Colorimetric values	L*a*b*, L*C*h, Hunter Lab, Yxy, XYZ, and color difference in these spaces; Munsell (C)	
Indexes	MI, WI (ASTM E313-73), YI (ASTM E313-73, ASTM D1925), ISO brightness (ISO 2470), WI/Tint (CIE), Strength, Opacity, Grey scale, 8° gloss value, User index *1	
Color difference equations	ΔE*ab (CIE1976) / ΔE94 (CIE1994) / ΔE00 (CIE2000) / CMC (l:c) / Hunter ΔE / DIN99o	
Applicable standards	DIN 5033 Teil 7, JIS Z 8722 Condition "c", ISO 7724/1, CIE No.15	
Measurement time	Approx. 0.7 s (Measurement mode: SCI or SCE)	
	(From pressing trigger button to measurement completion)	
Minimum measurement interval	Approx. 1.5 s (Measurement mode: SCI or SCE)	
Data memory	1,000 target data + 5,100 sample data	
Battery performance	Measurement mode: SCI or SCE	
	Approx. 3,000 measurements (approx. 1,000 measurements when using Bluetooth) when measurements are taken at 10-second intervals at 23°C with the dedicated lithium battery	
Viewfinder function	Available (with white LED illumination)	
Display	2.7" color TFT-LCD with reversible portrait viewing mode	
Display language	English, Japanese , German, French, Italian, Spanish, Simplified Chinese, Portuguese, Russian, Turkish, Polish	
Interface	USB 2.0; Bluetooth (SPP-compatible. Optional Bluetooth module required)	
Power	Dedicated lithium-ion battery (removable), USB bus power (with lithium-ion battery installed), Dedicated AC adapter (with lithium-ion battery installed)	
Charging time	Approx. 6 h	
Operating temperature/ humidity range	Temperature: 5 to 40°C, Relative humidity: 80% or less (at 35°C) with no condensation	
Storage temperature/ humidity range	Temperature: 0 to 45°C, Relative humidity: 80% or less (at 35°C) with no condensation	
Size	Approx. 81 (W) × 93 (H) × 229 (D) mm	
Weight	Approx. 630 g	Approx. 620 g

*1 Optional Color Management Software SpectraMagic NX is required for setting user-configured illuminants or user indexes.

Dimensions (Units: mm)



System Diagram



* Depending on the location, some accessories may not be available.
** May be included as a standard accessory in some regions.

SAFETY PRECAUTIONS

For correct use and for your safety, be sure to read the instruction manual before using the instrument.

● Always connect the instrument to the specified power supply voltage. Improper connection may cause a fire or electric shock.

ISO Certifications of KONICA MINOLTA, Inc., Sakai Site

ISO 9001 — JQA-QMA15888 Design, development, manufacture/ manufacturing management, calibration, and service of measuring instruments

ISO 14001 — JQA-E-80027 Design, development, manufacture, service and sales of measuring instruments

KONICA MINOLTA, INC.	Osaka, Japan			
Konica Minolta Sensing Americas, Inc.	New Jersey, U.S.A.	**Phone :** 888-473-2656 (in USA), 201-236-4300 (outside USA)		**Fax :** 201-785-2482
Konica Minolta Sensing Europe B.V.	European Headquarter /BENELUX	Nieuwegein, Netherlands	**Phone :** +31(0)30 248-1193	**Fax :** +31(0)30 24 81 211
	German Office	München, Germany	**Phone :** +49(0)89 4357 156 0	**Fax :** +49(0)89 4357 156 99
	French Office	Roissy CDG, France	**Phone :** +33(0)1 80 11 10 70	**Fax :** +33(0)1 80 11 10 82
	UK Office	Warrington, United Kingdom	**Phone :** +44(0)1925 467300	**Fax :** +44(0)1925 711143
	Italian Office	Cinisello Balsamo, Italy	**Phone :** +39 02849488.00	**Fax :** +39 02849488.30
	Swiss Office	Dietikon, Switzerland	**Phone :** +41(0)43 322-9800	**Fax :** +41(0)43 322-9809
	Nordic Office	Västra Frölunda, Sweden	**Phone :** +46(0)31 7099464	
	Polish Office	Wroclaw, Poland	**Phone :** +48(0)71 73452-11	**Fax :** +48 (0)71 734 52 10
	Turkish Office	Istanbul, Turkey	**Phone :** +90 (0) 216-528 56 56	**Fax :** +90 (0) 212-253 49 69
Konica Minolta (CHINA) Investment Ltd.	SE Sales Division	Shanghai, China	**Phone :** +86- (0)21-5489 0202	**Fax :** +86- (0)21-5489 0005
	Beijing Office	Beijing, China	**Phone :** +86- (0)10-8522 1551	**Fax :** +86- (0)10-8522 1241
	Guangzhou Office	Guangdong, China	**Phone :** +86- (0)20-3826 4220	**Fax :** +86- (0)20-3826 4223
	Chongqing Office	Chongqing, China	**Phone :** +86- (0)23-6773 4988	**Fax :** +86- (0)23-6773 4799
	Qingdao Office	Shandong, China	**Phone :** +86- (0)532-8079 1871	**Fax :** +86- (0)532-8079 1873
	Wuhan Office	Hubei, China	**Phone :** +86- (0)27-8544 9942	**Fax :** +86- (0)27-8544 9991
Konica Minolta Sensing Singapore Pte Ltd.		Singapore	**Phone :** +65 6563-5533	**Fax :** +65 6560-9721
Konica Minolta Sensing Korea Co., Ltd.		Goyang-si, Korea	**Phone :** +82(0)2-523-9726	**Fax :** +82(0)31-995-6511

Addresses and telephone/fax numbers are subject to change without notice. For the latest contact information, please refer to the KONICA MINOLTA Worldwide Offices web page :

https://konicaminolta.com/instruments/network

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