



KONICA MINOLTA

# SPECTROPHOTOMETER CM-2500d

High performance, low cost  
portable spectrophotometer.

ISO 9001  
CERTIFIED  
ISO 14001

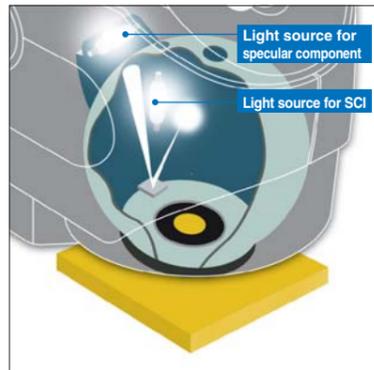


The essentials of imaging

# Designed for versatility in various applications, the CM-2500d is a portable integrating sphere spectrophotometer incorporating Numerical Gloss Control.

**Simultaneous measurement of SCI (specular component included) and SCE (specular component excluded). Advanced Numerical Gloss Control.**

Simultaneous measurement of SCI and SCE displays the data on the LCD in only 1.5 seconds. Unlike conventional spectrophotometers, there is no need to mechanically switch between SCI and SCE mode. This improves working efficiency and provides stable measured data since the measurement area does not shift when the mode is switched. And also Relativity Gloss Value can be displayed by using Numerical Gloss Control.



The LCD specifications are subject to change without prior notice.

• SCI is a method in which measurements are taken with the specular reflection included. For this reason, it minimizes influences of the surface condition of a sample, and is especially suitable for color quality control and Computer Color Matching.

• SCE is a method in which measurements are taken excluding the specular reflection. This type of measurement provides results similar to those observed visually.



For plastics, paints, resins and consumer products

**High reliability and long life. Maintenance-free design.**

The number of moving parts in the instrument is minimized through the introduction of numerical control technology. The CM-2500d can be used with confidence, since it has been developed, manufactured and calibrated to meet ISO 9001 requirements.

**Allows measurement in any position. Compact, lightweight, with an easy-to-operate navigation wheel and large LCD display.**

The battery-powered small, light body allows the instrument to be placed in any position at the sample surface. The CM-2500d's large LCD display and its reverse display function provide easy reading, irrespective of which hand it is held in. Using your finger, the navigation wheel allows simple, user friendly operation.

( Turn ) ( Push )



For paints, plastics, automobiles, ceramics, architectural interiors, textile, paper, food etc.

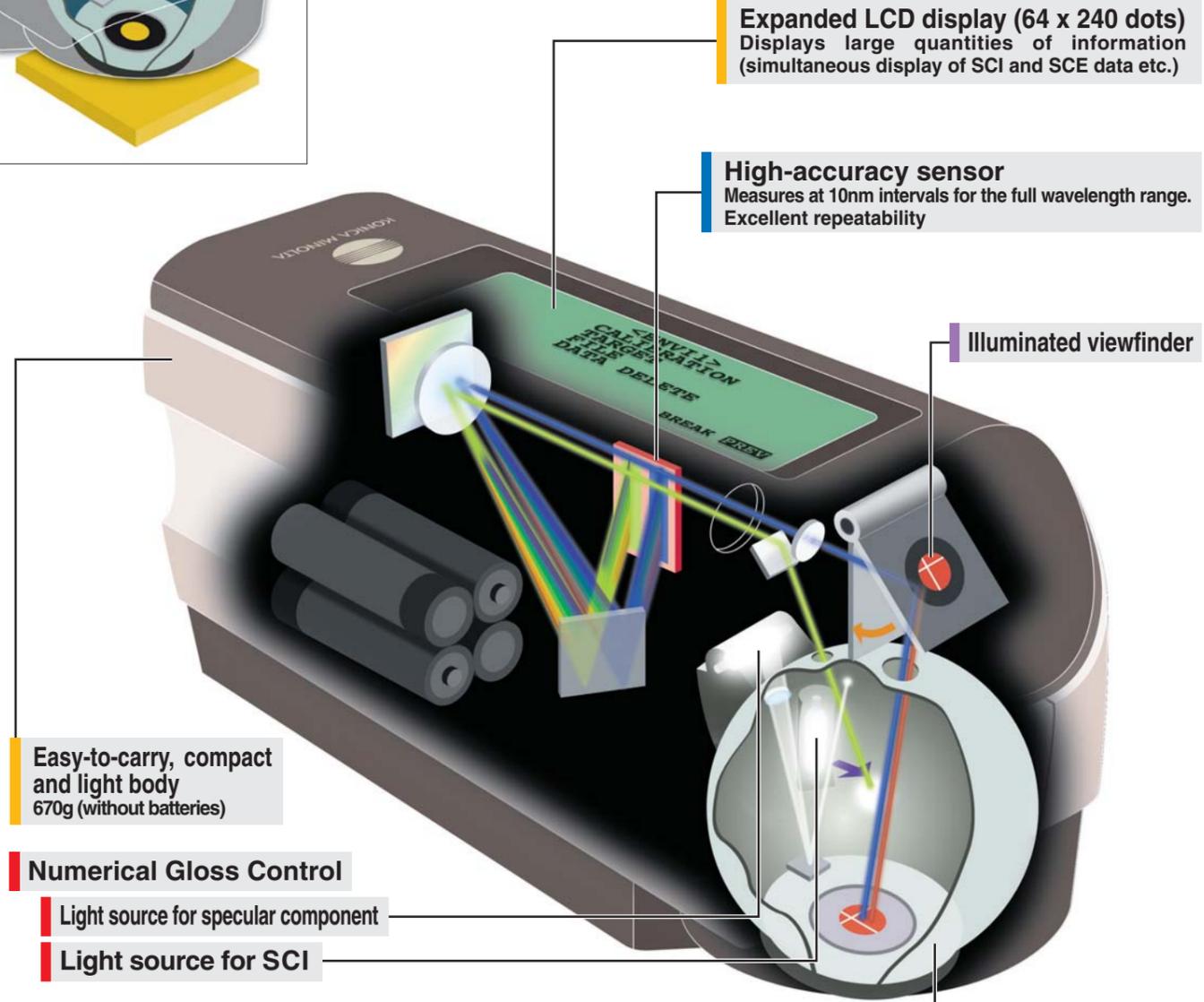
**Promotes accurate, consistent color communication. Conforms to widely-accepted industry standards and allows measurements in all popular color spaces.**

The optics use an integrating sphere to provide diffuse illumination/8-degree viewing system.

The CM-2500d conforms to all widely accepted standards including ISO, JIS, DIN, CIE and ASTM, and generates measurements in color spaces such as L\*a\*b\*, Yxy, Munsell and CMC.



In various applications

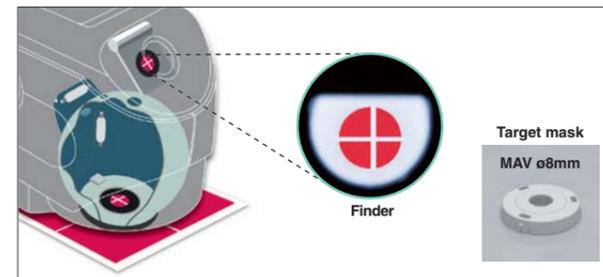


**Measures the target with high accuracy. Easy-to-carry stylish body with an illuminated viewfinder.**

The user can choose the most suitable measurement area for the target. The easy-to-carry body with the illuminated viewfinder enables the user to position the instrument on the target quickly and accurately.



For pharmaceuticals, cosmetics, printing, building materials, textiles, food etc.



## Powerful partnership between CM-2500d and SpectraMagic

Color Quality Control Software

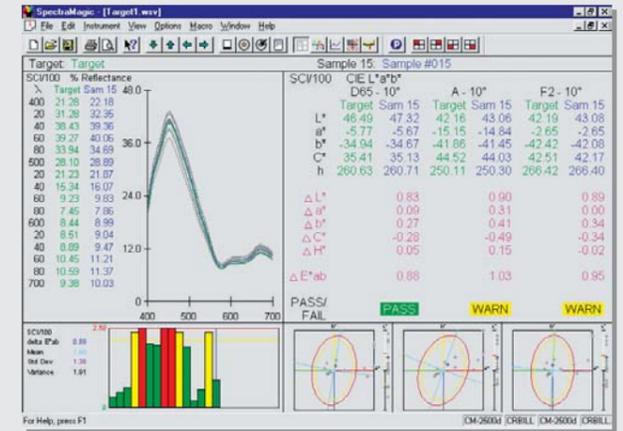
**SpectraMagic (Optional)**

Supports Windows®98/2000, Windows NT®4.0

Consistent color communication. Since automatic setting of color difference tolerances is possible, accurate Pass/Fail information can be given to customers and manufacturers.

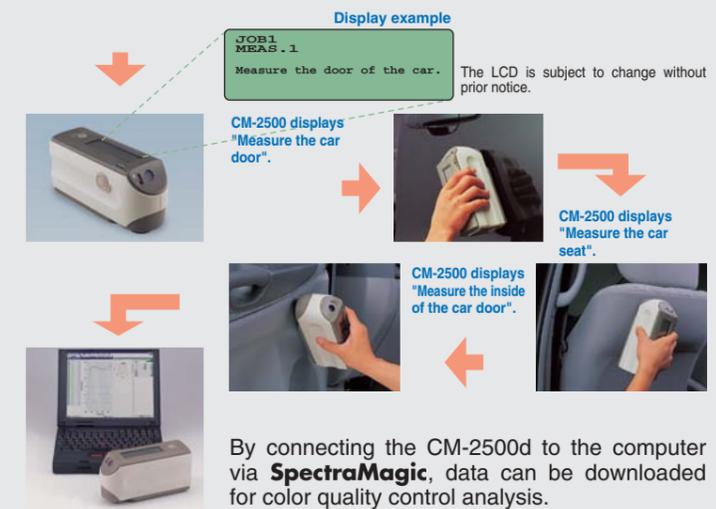
Enables color analysis from various viewpoints. Detailed, easy-to-see spectral graph.

Exports data to spreadsheet applications.



**Procedures are displayed in the form of messages to eliminate in-process errors. Task function by CM-2500d and SpectraMagic.**

Measurement procedure can be downloaded to the CM-2500d from **SpectraMagic**. Since standard color difference for each part can be entered, human setting errors can be prevented.



### <Main Specifications>

Color space / Color difference scales	L*a*b*, L*c*h, L*u*v*, Hunter Lab, FMC-2, CMC, CIE-94, XYZ, Yxy
Color indices	Metamerism, Whiteness/Whiteness Difference, Yellowness/Yellowness Difference, Tint/Tint Difference, Brightness, opacity, Haze, Dominant Wavelength, Excitation Purity, Ganz WI, Ganz Tint
Observer Conditions	2°, 10°
Illuminant Conditions	A, C, D65, D50, D55, D75, F2, F6, F7, F8, F10, F11, F12, U50
Displays	Spectral plot, Color plot, Tolerance plot, Statistical report, Real color, K/S, Multi-view display
Tolerance Settings	Elliptical, Box, Pass / Warn / Fail

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