



KONICA MINOLTA



Spectrophotometer

CM-3600A/CM-3610A

Built for Precision. Compact yet powerful.



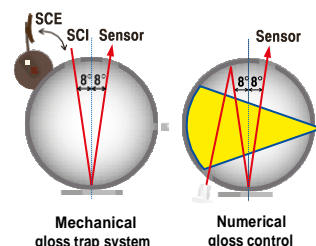
Giving Shape to Ideas

High-Accuracy Color Measurement in the Laboratory and for Production

Spectrophotometers CM-3600A and CM-3610A inherit the Innovative Konica Minolta Innovative Optical System technology used in the highly popular CM-3600d/CM-3610d, thus maintaining the high accuracy and excellent performance associated with these instruments. In addition the CM-3600A and CM-3610A offers USB communication and further improvements. The CM-3600A and CM-3610A are computer-controlled and require optional Software such as SpectraMagic™ NX.

→ Simultaneous SCI/SCE measurements

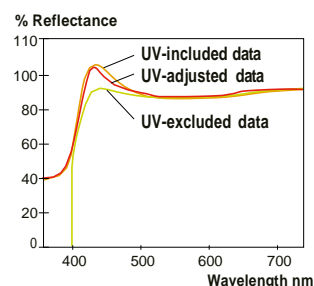
By firing two xenon lamps in quick succession, the patented Numerical Gloss Control (SCI/SCE) system of the CM-3600A and CM-3610A eliminates the need for a mechanical gloss trap while providing virtually simultaneous SCI and SCE measurements and enabling the calculation of 8° gloss.



→ UV adjustment for accurate measurements of fluorescent materials

Accurate measurement of materials such as paper or cloth treated with fluorescent whitening agents (FWA) requires precise control of the UV component and its effects. The Numerical UV Control method used by the CM-3600A and CM-3610A provides such control by combining results from flashes of two xenon lamps (one with full UV energy, the other with UV energy removed by a 400 nm or 420 nm UV cut-off filter) using proprietary calculations.

This method eliminates the need for mechanical filter positioning, and enables UV adjustment by Whiteness Index, Tint, Brightness, or UV profile.



Reflectance and transmittance in one instrument

The CM-3600A/CM-3610A can measure both the reflectance of opaque objects and the transmittance of transparent or translucent solid materials such as plastics. With accessories, the CM-3600A can even measure the transmittance of liquids. Liquid measurements not possible with CM-3610A.



Transmittance Measurement: The CM-3600A/CM-3610A employs the d:0° geometry (diffuse illumination, 0° viewing), which conforms to ISO, CIE, ASTM, and DIN standards.



CM-3600A High-Precision and High-Versatility



Brighter, clear sample viewingsystem

Both models are equipped with a sample viewer that lets the sample be seen clearly at the measuring port for accurate positioning. When the sample viewer is opened, a high brightness LED illuminates the sample to provide a clear image, and the cover is equipped with a mirror so that the image can be seen even from a seated position.



Improved CM-3600A sample holder

Sample holder opens 90° for easy positioning of samples and is equipped with a «soft-close» mechanism that prevents it from slamming shut and possibly damaging samples.



Compact footprint fits easily on your desk

Despite having a 152-mm integrating sphere and being packed full of advanced functionality, the CM-3600A is extremely compact, with a footprint about the same as a sheet of B4 paper or an average laptop computer. It can fit easily in a limited space while still providing the versatility and high accuracy of larger models.



CM-3610A unique features

The vertical-type

The vertical-type CM-3610A retains most of the features of the CM-3600A plus a number of unique additional features.



Sample holder - Easier handling of sheet materials

USB Data Communication

Data communication between the CM-3600A and CM-3610A is performed via USB to offer higher speed.

**SPECTROPHOTOMETER
CM-3600A CM-3610A**

