



KONICA MINOLTA

SPECTROPHOTOMETER CM-3220d

An Affordable Bench-Top Instrument
with Top-Class Precision

Foolproof operation
for POS applications

Built in calibration tile
to prevent loss or damage

No compromise in precision
and data compatibility

Xenon Flash illumination
with simultaneous SCI / SCE
measurement



The **CM-3220d** is a very compact and rugged d/8 geometry instrument for POS applications with full data compatibility with all Konica Minolta CM-36xx and CM-2xxx models

With only an ON/OFF switch and the built-in white calibration tile, the **CM-3220d** perfectly meets requirements for maximum ease of use as well as reliability and durability

The essentials of imaging

SMART FEATURES FOR POS APPLICATIONS

The compact CM-3220d Spectrophotometer represents an ideal bridge between the Konica Minolta family of the bench-top series CM-36xxd and the portable series CM-2xxxxd. It uses the same exclusive technology such as simultaneous SCI + SCE measurement with powerful pulsed xenon lamps and a full wavelength range of 360-740 nm with 10 nm resolution. Thus, the CM-3220d provides close Inter-Instrument-Agreement levels and data compatibility with all other d/8 sphere type models.

The CM-3220d has been designed to meet the requirements of Point of Sale (POS) applications which usually have limited space, demand very easy operation and require the highest levels of reliability and durability.

All operations apart from the ON/OFF switch are fully controlled by the external software for maximum security.

The large sample holder can be tilted 90 degrees allowing measurement of larger samples. The double flap enables perfect sample positioning and observation.

In order to prevent loss or damage of the white calibration tile, it is integrated in the instrument body and thus completely protected against dirt and scratches. The very rugged housing and the absence of any moving parts ensure highest levels of reliability.

The CM-3220d can be interfaced with SpectraMagic NX software for QC and Colour-Matching using the same instrument driver as the portable model CM-2500d.

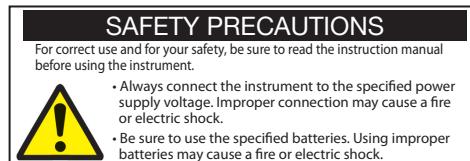


Specifications:

Illuminating /Viewing system	Diffuse: eight degree geometry; simultaneous measurement di:8° (specular included) and de:8° (specular excluded). Conforms to CIE 15.3, ISO 7024-1, DIN 5033-7, ASTM E1164 and JIS Z 8722.
Sphere Size	52 mm
Wavelength Range	360 - 740 nm
Wavelength Pitch	10 nm
Reflectance Range	0 - 175%
Light Sources	2 pulsed xenon lamps
Measurement Time	1.5 seconds (until data output)
Minimum Measurement Interval	3 seconds
Measurement / Illumination Area	8 mm / 11 mm
Repeatability	Spectral Reflectance within 0.1% Chromacity value: Standard Deviation dE*ab 0.04
Inter Instrument Agreement	Mean dE*ab 0.2 (Based on 12 BCRA Series II colour tiles)
Power Source	AC Adapter (AC-A17)
Dimensions / Weight	232 (W) x 127 (H) x 232 (D), 4 kg
Standard Accessories	AC Adapter AC-A17, RS-232C cable IF-A16



This mark indicates ISO 9001:2000-certified quality management system.



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