

CM-3600d

PRODUCT SPECS:

What are the specs for the product?

Illuminating/viewing system	Reflectance: d/8 (diffuse illumination/8° viewing angle), capable of simultaneous SCI (specular component included)/SCE (specular component excluded) measurement. Conforms to CIE No. 15, ISO 7724/1, ASTM E-1164, DIN 5033 Teil 7, and JIS Z8722 Condition C standards. Transmittance: d/0 (diffuse illumination/0° viewing angle). Conforms to CIE No. 15, ASTM E-1164, DIN 5033 Teil 7 standards
Detector	Dual 40-element silicon photodiode arrays
Spectral separation device	Diffraction grating
Wavelength range	360 to 740nm
Wavelength pitch	10nm
Half bandwidth	Approx. 10nm
Photometric range	0 to 200%; Display resolution: 0.01%
Sphere size	Φ152mm
Light source	Four pulsed xenon lamps
Measurement time	Approximately 1.5s (until data output)
Minimum interval between measurements	Approx. 4 seconds when SCI/SCE measured
Measurement/illumination areas	Reflectance: Changeable between LAV, MAV, and SAV LAV: Φ25.4mm/Φ30m MAV: Φ8mm/Φ11m SAV: Φ4mm/Φ7mm Transmittance: Approx. 17mm
Repeatability	Spectral reflectance: Standard deviation within 0.1% Colorimetric values: Standard deviation within ΔE*ab 0.02

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Inter instrument agreement	Mean ΔE^*ab 0.15 (LAV/SCI) Average for 12 BCRA Series II color tiles compared to values measured with master body
Temperature dependence	Spectral reflectance: Within $\pm 0.10\%/^{\circ}C$ Color difference: Within ΔE^*ab 0.05/ $^{\circ}C$
UV adjustment	Instantaneous numerical adjustment
UV cut filters	400nm cutoff and 420nm cutoff
Transmittance chamber	Width: 133mm, Depth: Approx. 50mm; Measurement diameter: Approx. 17mm Transmission sample holder (optional accessory): Sample holder; for both plate-shaped and liquid samples (removable)
Interface	RS-232C, D-sub 9-pin (female) terminal
Power	AC 120V/230V 50/60Hz (using included AC adapter)
Operating temperature/humidity range	13 to 33°C, relative humidity 80% or less (at 33°C) with no condensation
Storage temperature/humidity range	0 to 40°C, relative humidity 80% or less (at 33°C) with no condensation
Dimensions (W × H × D)	CM-3600d: 244 × 208 × 378mm CM-3610d: 300 × 597 × 315mm
Weight	CM-3600d: 12kg CM-3610d: 16.5kg
Standard accessories	White Calibration Plate, Target Mask (Φ4mm), Target Mask (Φ8mm), Target Mask (Φ25.4mm), Zero Calibration Box, AC Adapter, Dust Cover, Accessory Case, Unit Driver, RS-232C Cable (9-pin, 2m)
Optional accessories	Color Data Software SpectraMagic™ NX, Transmittance Specimen Holder, Cell (2mm)/(10mm)/(20mm), Transmittance Zero Calibration Plate, RS-232C Cable (IBM PC/AT; 5m)/(IBM PS/2; 2m)/(IBM PS/2; 5m)
Specifications are subject to change without notice.	