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CM-2500d Spectrophotometer Package

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Model: Spectrophotometer CM-2600d / CM-2600c

Illumination/observation system: d/8 (diffuse illumination, 8-degree viewing), equipped with simultaneous measurement of SCI (specular component included)/SCE (specular component excluded) Conforms to CIE No.15,ISO 7724/1,ASTM E1164,DIN 5033 Teil7 and JIS Z8722 Condition C standard.

Sphere Size: Φ 52mm Light-receiving element: Silicon photodiode array (dual 40 elements)

Spectral separation device: Diffraction grating

Wavelength range: 360 nm to 740 nm

Wavelength pitch: 10 nm

Half bandwidth: Approx. 10 nm

Reflectance range: 0 to 175%, resolution: 0.01%

Light source: 3 pulsed xenon lamps

Measurement time: Approx. 1.5 seconds

Minimum interval between measurements: 3 seconds for SCI/SCE (4 seconds for fluorescent measurement)

Battery performance: Alkaline manganese: approx. 1000 measurements

Measurement/illumination area: MAV: Φ 8mm/ Φ 11mm. SAV: Φ 3mm/6mm (Selectable between MAV and SAV)

Repeatability: Spectral Reflectance: Standard deviation within 0.1% (360 to 380nm within 0.2%) Colorimetric Value : Standard deviation within ΔE^*ab 0.04(Measurement conditions:White calibration plate measured 30 times at 10-second intervals after white calibration was performed)

Inter instrument agreement: within ΔE^*ab 0.2 (MAV/SCI) Average for 12BCRA Series II color tiles compared to values measured with master body.

Measurement mode: Single measurement/automatic averaging of multiple measurements(auto mode: 3, 5, 8 times/manual mode)

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Interface: RS-232C standard

Observer: 2/10 degrees (CIE 1931/2°, CIE 1964/10°)

Illuminant: A, C, D50, D65, F2, F6, F7, F8, F10, F11, F12 (simultaneous evaluation is possible using two light sources)

Display data: Spectral value/graph, colorimetric value, color difference value/graph, PASS/FAIL result

Color space/colorimetric data: L*a*b*, L*C*h, CMC (1:1), CMC (2:1), CIE94, Hunter Lab, Yxy, Munsell, XYZ, MI, WI (ASTM E313), YI (ASTM E313/ASTM D1925), ISO Brightness (ISO 2470), Density statusA /T, WI/Tint (CIE/Ganz), CIE00

Data memory: 1700 pieces of data (as SCI/SCE 1 data) * 700 pieces of data in the "defined in COND." mode.
*Total of the sample data for the COND and TASK modes and color difference target data

Tolerance judgment: Tolerance for color difference (both box and elliptical tolerances can be set)

Power source: 4 AA-size batteries or AC adapter

Size: 69 × 96 × 193mm

Weight: Approx. 670 g (without batteries)

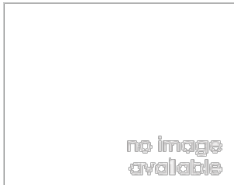
Operating temperature/humidity range: 5°C to 40°C, relative humidity 80% or less (at 35°C) with no condensation

Storage temperature/humidity range: 0°C to 45°C, relative humidity 80% or less (at 35°C) with no condensation

Standard accessories: White calibration plate, Target mask Ø8mm, Target mask Ø3mm, RS-232C cable, AC adapter, AA-size battery (×4)

Optional Accessories: Hard case, Dust cover set, Dust cover, SpectraMagic™NX (software), Zero calibration box

Included Accessories



CM-A153 White Cal Plate

Price: \$217.00

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CM-A147 Target Mask 3mm

Price: \$78.00

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IF-A16 RS-232C Cable (2M)

Price: \$44.00

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CM-A145 White Cal Plate

Price: \$217.00

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CM-A146 Target Mask 8mm

Price: \$78.00

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AC-A305 AC Adapter (120V)

Price: \$155.00

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Optional Accessories



CM-2500d/2600d Cell Holder