

CM-2600d

PRODUCT SPECS:

What are the specs for the product?

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| Model | CM-2600d | CM-2500d |
| 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 | Φ52mm | |
| Light-receiving element | Silicon photodiode array (dual 40 elements) | |
| Spectral separation device | Diffraction grating | |
| Wavelength range | 360nm to 740nm | |
| Wavelength pitch | 10nm | |
| Half bandwidth | Approx. 10nm | |
| Reflectance range | 0 to 175%, resolution: 0.01% | |
| Light source | 3 pulsed xenon lamps | 2 pulsed xenon lamps |
| Measurement time | Approx. 1.5 seconds (approx. 2 seconds for fluorescent measurement) | Approx. 1.5 seconds |
| Minimum interval between measurements | 3 seconds for SCI/SCE (4 seconds for fluorescent measurement) | 3 seconds for SCI/SCE |
| Battery performance | Alkaline manganese:approx. 1000 measurements | |
| Measurement/illumination area | MAV : Φ8mm/Φ11mm SAV : Φ2mm/6mm (Selectable) | MAV : Φ8mm/Φ11mm |

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| area | SAV : Φ3mm/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. | |
| UV adjustment | Instantaneous numerical adjustment (no mechanical adjustment required) With UV400nm cut filter | No UV adjustment |
| Measurement mode | Single measurement/automatic averaging of multiple measurements(auto mode: 3, 5, 8 times/manual mode) | |
| 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 battery or AC adapter | |
| Size (W×H×D) | 69 × 96 × 193mm | |
| Weight | Approx. 670g (without batteries) | |
| Operating temperature / humidity range (*1) | 5 to 40°C, relative humidity 80% or less (at 35°C) with no condensation | |

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| humidity range (*1) | |
| Storage temperature/humidity range | 0 to 45°C, relative humidity 80% or (at 35°C) with no condensation |
| Standard accessories | White calibration plate, Target mask Φ 8mm, Target mask Φ 3mm , RS-232C cable, AC adapter, AA-size battery (\times 4) |
| Optional Accessories | Hard case, Dust cover set, Dust cover, SpectraMagic™NX (software), Zero calibration box |

***1** Operating temperature/humidity range of products for North America : 5 to 40°C, relative humidity 80% or less (at 31°C) with no condensation