ACCUD

ACCURATE MEASUREMENT



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Spectrophoto Meter

Series CM3010



Features

Concave grating spectrophotometric
3.5-inch TFT color LCD
D/8 geometrical optics, conforms with CIE No.15,ISO7724/1, ASTM E1164, DIN5033
Use long life and low power consumption combined LED light source
Switchable 8mm/4mm aperture, support both SCI and SCE at the same time
Large storage capacity, over 20,000 measurement data
USB port and Bluetooth 4.0
With software

Specifications

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Part No	Specification
AC-CM3010	Optical geometry: reflect: di:8°, de:8°(diffused illumination, 8-degree viewing angle) Integrating sphere size: Ø48mm Light source: combined LED ligh Spectrophotometric mode: concave grating Sensor: 256 image element double array CMOS image sensor Wavelength range: 400~700nm Wavelength interval: 10nm Semiband width: 10nm Measured reflectance range: 0~200% Measuring aperture: dual aperture: MAV: Ø8mm; SAV: Ø4mm Specular component: SCI&SCE Color space: CIE LAB, XYZ, Yxy, LCh, CIE LUV, HunterLAB Color difference formula: ⊠E*ab, ⊠E*uv, ⊠E*94, ⊠E*cmc(2:1), ⊠E*cmc(1:1), ⊠E*00v, ⊠E(Hunter) Other colorimetric index: WI(ASTM E313, CIE/ISO, AATCC, Hunter), YI(ASTM D1925, ASTM 313), Metamerism index MI, Staining fastness, Color fastness, Colorstrength, Opacity Observer angle: 2°/10° Illuminant: A, C, D50, D55, D65, D75, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, CWF, U30, TI83, TI84, U35 Displayed data: spectrogram/values, samples chromaticity values, color difference values/graph, PASS/FAIL result, color offset Measuring time: 2.6s Repeatability- Spectral reflectance: MAV/SCI, within 0.1% of standard deviation(400~700nm: 0.2%) Repeatability- Colorimetric values: MAV/SCI: ⊠E*≤0.04 Inter-instrument error: MAV/SCI: ⊠E*≤0.2 Measurement mode: single measurement, average measurement Data port: USB, Bluetooth 4.0 Data storage: standard 1000 pcs, sample 20000 pcs Illuminant life span: 5 years, more than 3 million times measurements Battery: Li-ion battery, 5000 measurements within 8 hours Dimension: 184×77×105mm Weight: 600g INCLUDED ACCESSORIES Main unit: 1pc White and black calibration cavity: 1pc USB cable and software: 1pc AC/DC adapter: 1pc Optional Accessories Printer: CM3010-PT Powder Test Box: CM3010-PB

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