

# ACCUD

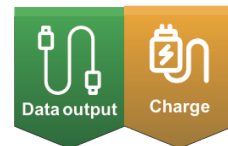
## ACCURATE MEASUREMENT



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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



Part No	Specification
AC-CM3010	<p>Optical geometry: reflect: di:8°, de:8°(diffused illumination, 8-degree viewing angle)  Integrating sphere size: Ø48mm  Light source: combined LED light  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&amp;SCE  Color space: CIE LAB, XYZ, Yxy, LCh, CIE LUV, HunterLAB  Color difference formula: <math>\Delta E^*ab</math>, <math>\Delta E^*uv</math>, <math>\Delta E^*94</math>, <math>\Delta E^*cmc(2:1)</math>, <math>\Delta E^*cmc(1:1)</math>, <math>\Delta E^*00v</math>, <math>\Delta E</math>(Hunter)  Other colorimetric index: WI(ASTM E313, CIE/ISO, AATCC, Hunter), YI(ASTM D1925, ASTM 313),  Metamerism index MI, Staining fastness, Color fastness, Color strength, 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, T183, T184, 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: <math>\Delta E^* \leq 0.04</math>  Inter-instrument error: MAV/SCI: <math>\Delta E^* \leq 0.2</math>  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</p> <p>INCLUDED ACCESSORIES  Main unit: 1pc  White and black calibration cavity: 1pc  USB cable and software: 1pc  AC/DC adapter: 1pc</p> <p>Optional Accessories  Printer: CM3010-PT  Powder Test Box: CM3010-PB</p>