



CODE **GT2711**
MODEL **COLOR-TEST CM 420**
OVERALL DIMENSION 180x60x51 mm
WEIGHT 280 g



COLOR-TEST CM 420

DESCRIPTION

Spectrocolorimeter CM-420 series develops new color measurement method of colorimeter with built-in camera to see test area, UV light source for fluorescence color measurement, unlimited storage memory, built-in color cards to find the similar color at anytime and anywhere. User can also use APP for color matching and color correction.

TECHNICAL SPECIFICATIONS

- Geometry: D/8(diffused illumination, 8 degree viewing), SCI (specular component included), SCE (specular component excluded)
- Repeatability: Chromaticity Value: Standard deviation $\Delta E^*ab \leq 0.03$
- Average : $dE^*ab \leq 0.04$
- Max.: $dE^*ab \leq 0.06$ (when a white tile is measured 30 times at 5 seconds interval)
- Inter-instrument Agreement: $\Delta E^*ab \leq 0.4$
- Display Accuracy: 0.01
- Test Aperture: $\Phi 11mm$ (or 8mm)
- Color Space and Indices: Reflectance, CIE-Lab, CIE-LCh, Hunter Lab, CIE MLuv, XYZ, Yxy, RGB, ColorDifference (ΔE^*ab , ΔE^*cmc , ΔE^*94 , ΔE^*00), Whiteness Index (ASTM E31300, ASTM E31373, CIE/ISO, AATCC, Hunter, Taube Berger Stensby), Yellowness Index (ASTM D1925, AST, ME31300, ASTM E31373) Blackness Index (My,dM), Staining Fastness, Color Fastness, Tint (ASTM 31300), Color Density CMYK (A,T,E,M), Metamerism Index Milm, Munsell, Opacity, Color Strength Illuminant A, B, C, D50, D55, D65, D75, F1, F2, F3, F4, F5, F6, F7, F8, F9, F10, F11, F12, CWF, U30, U35, DLF, NBF, TL83, TL84
- Color Matching Software: Support color matching on APP (if user buy the color matching software)
- Light Source: LED+UV
- Camera: Yes
- Calibration: Auto
- Software: Android, IOS, Windows
- Accuracy guarantee: Pass National Metrology Level I
- Observer: 2°, 10°
- Sphere Size: 40mm
- Spectroscopic Method: Integrated optics
- Standard: Conform to CIE No.15, GB/T 3978, GB 2893, GB/T 18833, ISO7724-1, ASTM, E1164, DIN5033 Teil7
- Sensor: CMOS Sensor
- Wavelength interval: 10nm
- Wavelength Range: 400-700nm
- Reflectance Range: 0-200% Reflectance Resolution: 0.01%
- Interface: USB, bluetooth
- Screen: IPS full color screen ,2.4 inches
- Battery: Rechargeable, 8,000 times continuous tests, 3.7V/3000mAh
- Light Source Lifetime: 10 years, 1 million tests
- Language: English
- Storage: APP Mass Storage

EQUIPMENTS

- Softcase