



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



## COLOR-TEST CM 420

### DESCRIPTION

Spectro-colorimeter integrating colour measurement method with built-in camera on test area, UV light source for fluorescence colour measurement. Can connect to mobile phone APP for colour matching and colour correction and unlimited storage memory

### 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:  $E^*ab \leq 0.4$
- Display Accuracy: 0.01
- Test Aperture: 11mm (or 8mm)
- Color Space and Indices: Reflectance, CIE-Lab, CIE-LCh, Hunter Lab, CIE MLuv, XYZ, Yxy, RGB, ColorDifference ( $\Delta E^*ab$ ,  $\Delta E^*cmc$ ,  $E^*94$ ,  $E^*00$ ), Whiteness Index (ASTME 31300, 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 Milml, 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-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