

## Spectral Colorimeter CR series



CR10  
Professional Edition  
( No display screen)



CR20  
Professional Edition  
(With display screen)



CR30  
Enhanced Edition  
(With display screen)

# CR-10/20/30

### Product Features

- Automatic calibration, one-key measurement, get results in 1s
- Adopt  $45^{\circ}/0$  geometry that is more in line with the color evaluation by the human eye
- Can be used standalone or connect to App
- Software supported: Android, iOS, Windows QC software
- Magnetic calibration box
- Lipstick-size, more convenient to carry

## Spectral Colorimeter

### Technical Data

Model	CR10	CR20	CR30
Geometry	45/0		
Measure index	RGB,Hex,Lab,LCh,HSB,LRV,CMYK(A,T,E,M),XYZ,Yxy,ΔE*ab,ΔE*cmc,ΔE*94,ΔE*00	RGB,Hex,Lab,LCh,HSB,LRV,Spectral reflectance,HunterLab,CIE-Luv,XYZ,Yxy,Color Difference (ΔE*ab,ΔE*cmc,ΔE*94,ΔE*00),Whiteness (ASTM E313-00,ASTM E313-73,CIE,ISO2470/R457,AATCC,Hunter,Taube Berger Stensby),Yellowness(ASTM D1925,ASTM E313-00,ASTM E313-73),Blackness (My,dM) ,Staining Fastness,Color Fastness, Tint(ASTM E313-00),Color Density CMYK(A,T,E,M),Metamerism Index Milm,Munsell,Opacity,Color Strength	
Light Source	LED (Full Wavelength Balanced LED Light Source)		
Measure Aperture	4mm		
Wavelength Interval	10nm		
Wavelength Range	400nm-700nm		
Repeatability <sup>※</sup>	ΔE*00≤0.1	ΔE*00≤0.05	
Inter-instrument agreement <sup>※※</sup>	ΔE*00 < 0.5	ΔE*00 < 0.4	
Measurement Accuracy	0.1	0.01	
Measure Time	1.0s		
Interface	USB, Bluetooth		
Illuminants	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		
Observer	2°, 10°		
Display Screen	No screen	IPS Full Color Screen ( 135*240,1.14inch)	
Battery	Rechargeable,5,000 continuous tests	Rechargeable,10,000 continuous tests	
Language	Chinese ,English		
Calibration	Automatic Calibration		
Software supported	Andriod,IOS,Windows		
Weight	About 75g		
Size	Diameter: 33mm, Height: 84mm		
Storage	APP mass storage		

※ Measure white tile 30 times with 5 seconds interval

※※ BCRA II Series , Average measurement of 12 tiles