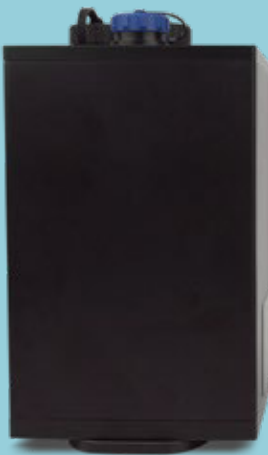## Online Color Sensor/Non-contact Spectrophotometer

CRX-60

CRX-62

CRX-66

CRX-60/62/66

- ■ Multiple color indicators can be measured

- ■ Use LED light source for longer service life

- ■ Waterproof and dust-proof, protection class IP66

- ■ Support internal calibration to ensure high instrument stability

- ■ Comes standard with powerful PC data management software

- ■ Support RS232,RS485,USB,Network port,analog signal a variety of communication modes

- ■ The method of color measurement with double light path spectroscopy has the advantages of high speed, high precision and good repeatability

Technical Data

Model	CRX-60	CRX-62	CRX-66
Measurement* structure	45/0		
Measurement** repeatability	dE*ab≤0.1	dE*ab≤0.05	dE*ab≤0.02
Interstation error***	/	/	dE*ab≤0.25
Display accuracy	0.01		
Measuring aperture	Φ8mm/Φ21mm		
Measurement index	CIE-Lab,XYZ	Spectral reflectance,CIE-Lab,CIE-LCh,HunterLab,CIE-Luv,XYZ,Yxy,RGB, 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), color fastness, Color change fastness,Tint(ASTM E313-00), Color density CMYK(A,T,E,M)	
Light source condition	A,C,D65	0-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,ID50,ID65,LED-B1,LED-B2,LED-B3 LED-B4,LED-B5,LED-BH1,LED-RGB1,LED-V1, LED-V2100%	
Lighting source	Full band balanced LED light source		
Field Angle	2°, 10°		
Meet the standard	CIE No.15,GB/T 3978,GB 2893,GB/T 18833,ISO7724-1,ASTM E1164,DIN5033 Teil7		
Spectroscopic method	Nanobeam splitting device		grating
Inductor	Silicon optical array device		Dual-row high-precision CMOS array sensor
Wavelength interval	10nm		
Wavelength range	400-700nm		
Reflectance measurement range	0-200%		
Reflectance resolution	0.01%		
Measurement and observation mode	visual		
calibrate	Intelligent automatic calibration		
Accuracy guarantee	Ensure the first level of measurement		
Measuring time	Single measurement 110ms		Single measurement 50ms
Measuring interval	1s		
port	USB, 485,232, external trigger, analog output, Ethernet		
Screen	/	Full color screen, 3.5 inches	
Light source lifetime	1 million times in 10 years		
Language	/	Simplified Chinese, English	
Non-contact distance	5mm		

※45° Angle ring lighting /0° Angle reception
※※The whiteboard was calibrated to measure 30 standard deviations at 5-second intervals
※※※The average value of BCRA Series II 12 swatches was measured