Non-contact / Online Color Sensor

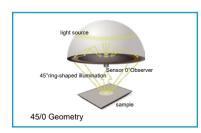


CRX-50/51/52

Product Features

CRX-50

- 45/0 Geometry for Color Measurement
- Non-Contact and Instrument to Sample Distance 7.5mm
- Ultra Fast Measurement with Interval Only 20ms
- Measure with High Accuracy for Samples with Fluctuation ±3mm

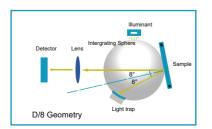


CRX-51

Built-in Calibration Tiles for Auto Calibration

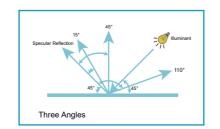
Full Wavelength Balanced LED Light Source with Long Lifetime

- D/8 Geometry for Color Measurement
- IP67 Protection Level, No Need Maintenance, Best Choice for Anodizing Products Color Test
- Non-Contact and Instrument to Sample Distance 0.5mm
- Good Consistency with Laboratory Test Result
- Ultra Fast Measurement with Interval Only 20ms



CRX-52

- Three Angles to Measure Color, Graininess and Grade Evaluation
- Measure Angles 15,45 and 115, Illuminate angle 45
- Good Consistency with Laboratory Test Result
- It is designed to measure car paint, effective paint, laser paper, mobile phone colorful shell,etc.



Application







Paint Coating

▲ Paper Production Line







▲ Automobile Spraying Line

▲ Textile Production Line

Wood Production Line

Technical Data

Туре	CRX-50	CRX-51	CRX-52			
Illumination /	45/0,(illumination,	D/8(Diffused Illumination, 0° Viewing)-SCI (specular component included)	45° illumination, 15°, 45°, 110° Viewing	Measurement Interval	2S	
Viewing System	0° Víèwing)			Repeatability	Chromaticity Value: ΔE*ab standard deviation ≤0.03, Max. ≤0.05 (a white calibration tile is measured 30 times at 1- second intervals	
Light Sources	CLEDs(Full Wavelength Balanced LED Light Source)				after white calibration)	
Sensor	Dual Light Path Sensor Array Silicon Photodiode				CIE-L*a*b,L*C*h,L*u*v,XYZ, Yxy,Reflectance, WI(ASTM	
Measurement Distance	7.5±3mm(Repeatability in the case of Distance Fluctuations dE<0.1)		Contact to Measure	Color Space and Other Indices	E313-00,ASTME313-73,CIE/ ISO,AATCC,Hunter,Taube Berger Stensby) YI(ASTM	1 '
Calibration Method	Build-in Calibration Tiles			Other maices	D1925,ASTM E313-00,ASTM Grainine	Graininess
Protection Level	Without	IP67	Without		E313-73),Tint(ASTM E313,CIE, Ganz),Milm,Metamerism Index	
Wavelength Range	400-700nm				Milm, Staining Fastness, Color Fastness	
Wavelength Interval	10nm				Δ E*ab, Δ E*CH, Δ E*uv, Δ E*	
Half Band Width	5nm			Color Difference	cmc(2:1), Δ E*cmc(1:1), Δ E*94, Δ E*ab Δ Ep	ΔE*ab,ΔEc, ΔEp
Reflectance Range	0-200%			Light Source Lifetime	Whole Life Time Warranty	
Measurement Aperture	φ7mm φ10mm(φ4mm optional) φ7mm			Working Temperature	0-45°C, relative humidity 80% or below (at 35 °C), no condensation	
Measurement Distance	7.5mm			Storage Environment -25-55°C, relative humidity 80% or below		
Illuminants	A,C,D50,D55,D65,D75,F1,F2,F3,F4,F5,F6,F7,F8,F9,F10,F11, F12,CWF,U30.DLF,NBF,TL83,TL84.U35			Otorage Environment	(at 35 ℃), no condensatión	
illuminants				Power Adaptor	DC12V	
Measurement Time	Min.20ms	Min.20ms	6s	Interface	USB or custom made	
Inter Instrument Agreement	II average measurement of 12 tiles)		AE*ab within 0.5 (BCRA Series II, average measurement of 12 tiles)	Power	12V DC Power Adaptor	
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