

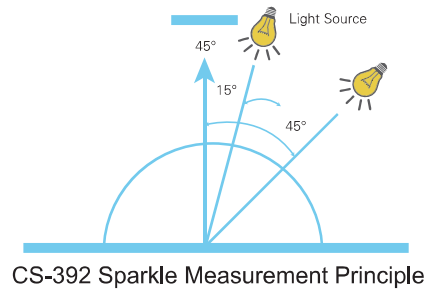
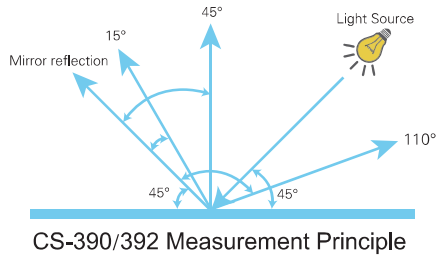


CS-390/392

Product Advantages

- It is designed to measure color data and surface graininess evaluation.
- Measure sensor is at the instrument bottom which guarantees good repeatability for the measurement on flat or curve surface.
- Measure at angles of 15 degree, 45 degree, 110 degree.
- Adopt steady and long lifetime LED light source.
- Conform to ASTM D2244, E308, E1164, E2194, DIN 5033, 5063, 6174, 6175-2, DIN EN ISO 11664, ISO 7724, SAE J1545 standards.

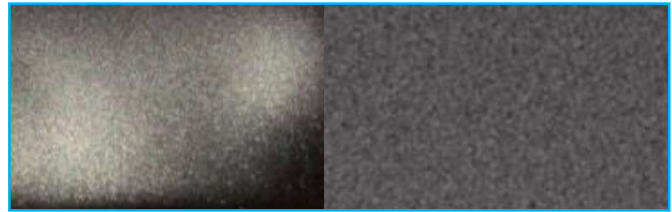
Working Theory Picture



Application Examples



▲ Multi-angle color measurement



▲ The assessment of sparkle and graininess



▲ Automobile Coating



▲ Laser Paper



▲ Mobile Phone Case

Technical Data

Model	CS-390	CS-392		
Illumination Angle	45°		Repeatability	dE≤0.05Max. after white calibration (measured 30 x at 5-second intervals)
Measurement Angles	15°、45°、110°	Color measure angle:15°/45°/110° Graininess measure angle: Integrating sphere diffusion	Inter-instrument Agreement	dE≤0.5 Average measurement of BCRA II color tiles)
Measurement Parameter	L*a*b、L*C*h、ΔE*、 ΔECMC; ΔE DIN 6175;ΔE2000	Colorimetric parameter:L*a*b、 L*C*h、ΔE*、ΔECMC; ΔE DIN6175;ΔE2000 Effect parameter:Graininess level(G)	Viewing Angles	2°and 10°
Wavelength Range	400-700nm		Measurement Area	Dia. 17mm
Wavelength Pitch	10nm		Light Source	10 years, ≥1 million times
Reflectance Range	0-500%		Life time	
Resolution	0.01%		Interface	USB
Light Source	A、C、D50、D65、F2、F7、F11、F12		Instrument Size	145*58*99mm
Measurement Time	Less than 2s	Less than 6s	Instrument Weight	476g
			Power	3.7V/3000mAh rechargeable lithium batter
			Temperature	0-40°C (32-104 F)
			Storage Temperature	-20-50°C (-4-122 F)