

45/0 Portable Spectrophotometer CS-600C/CS-600CG

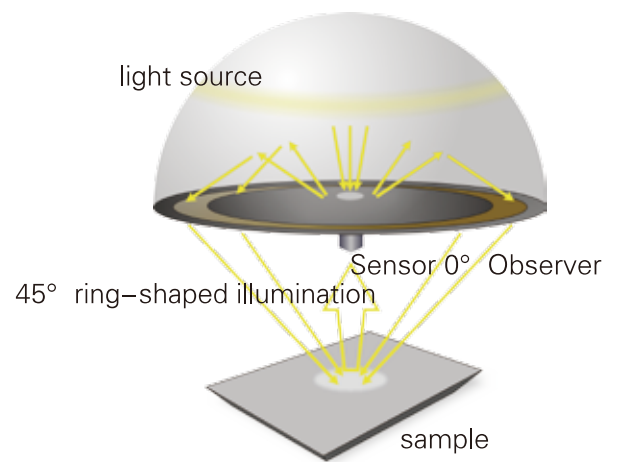


Simultaneous gloss and color measurement

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- ④ 45/0 spectrophotometer
- ④ CS-600CG Simultaneous gloss and color measurement
- ④ Design for automobile decoration, road signs, printing, plastic films and other industries.



45/0 Optical structure

Product Character

- | Adopt 45/0 geometry (45 ring-shaped illumination, 0 observe degree)
- | Measurement Management Software
- | National Verification Certification
- | 60 Degree Gloss Measurement
- | Conform to CIE,ISO,ASTM,DIN standard for color and gloss measurement
- | Instrument can connect with PC by USB cable.

Application

Plastic and Rubber



Automobile Decoration



Road Signs



Plastic floor

Thin Films



PET film



Screen film



Reflective film

Coating



Color Steel Plate



Home Decoration



Coil Coatings

Print



Plastic package



Magazine



Label

Technical Data

Model	CS-600C	CS-600CG		
Function	color	color and gloss	Color Difference	$\Delta E^*ab, \Delta E^*CH, \Delta E^*uv, \Delta E^*cmc(2:1), \Delta E^*cmc(1:1), \Delta E^*94, \Delta E^*00, \Delta Eab(Hunter), 555$ shade sort
Geometry	45/0 (45 ring-shaped illumination, 0 observe degree)		Test Angle	60°
Aperture	11mm		Test Area	5x10 mm
Wavelength	400-700nm		Test Range	0-1000 GU
Wavelength Interval	10nm		Repeatability	0.2 GU(0-100GU) 0.2%(100-1000GU)
Sensor	high sensitivity silicon photodiode		Reproducibility	1.0 GU(0-100GU) 1.0%(100-1000GU)
Illumination	LED		Illumination Life Time	10 years 3million test
Repeatability	Reflectance: standard deviation within 0.08% Chromaticity value: ΔE^*ab 0.03 (when a white plate is measured 30 times at 5 second interval), Maximum 0.05		Screen	2.8 inch color screen
Inter Instrument Agreement	0.2 ΔE^*ab (BCRA II color tiles, average test value of 12 tiles)		Storage	20000 samples
Language	Chinese and English		Interface	USB
Observer	2° / 10°		Power	chargeable Lithium Battery, continuous measurement 20000 times, 7.4V/600mAh
Light Source	A,C,D50,D55,D65,D75,F1~F12,CWF,U30,DLF,NBF,TL83,TL84,U35		Work Condition	0-45°C relative humidity 80% or less (at 35°C) with no condensation
Color Space	CIE-L*a*b,L*C*h,L*u*v,XYZ,Yxy, Reflectance, Hunter-lab,Munsell MI,CMYK		Size	181*73*112mm(L*W*H)
Index	WI(ASTM E313-00,ASTM E313-73,CIE/ISO,AA TCC,Hunter,Taube Berger Stensby),YI(ASTM D19 25,ASTM E313-00,ASTM E313-73),Tint(ASTM E 313,CIE,Ganz),Metamerism index Milm, Stick color fastness, Color fastness,ISO brightness, A density, T density, M density, E density		Weight	about 800g (without battery)
			Standard accessories	AC adapter, Lithium Battery, operate manual, color QC software, driver software, USB cable, Calibration tile (Black and white), carrying bag
				Gloss calibration tile