

R&D Manufacturer for Surface testing Instrument















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Make Measurement Easier

FRU Color Spectrophotometer -WS2300/WS2600



WS2300/WS2600 are cost-effective and portable spectrophotometer designed by Shenzhen Wave Optoelectronics Technology Co., Ltd. These spectrophotometers adopt advanced electronic circuit system and perfect optical system, which has the advantages of high precision, good stability and strong anti-interference. It provides great reliability and convenience for color control in all walks of life.

Caliber Application

Facula 4mm (Caliber Φ6mm): Small and cambered surface.









Facula 8mm (Caliber Φ11mm): Flat surface. Such as paint (WS2600 is suitable for car paint), plastic, coating, print, anodizing, ceramics, film, glass, pigment etc.











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Caliber Ф16mm: Textured, Soft and Uneven surface. Such as Textile, fabric, Leather, Wooden sponge and hairpiece etc.



Caliber Φ16mm+ Multi-function accessory: Liquid Powder Pulp Granule etc.











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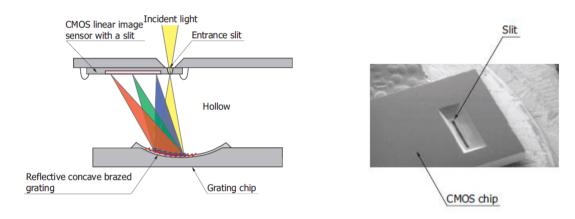
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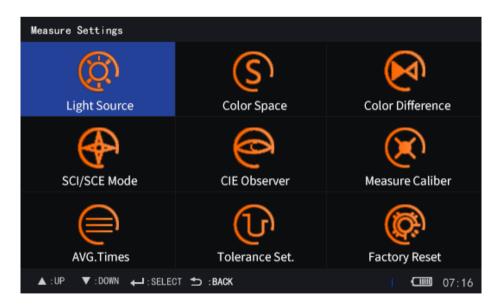
Core Advantage

1. Accurate spectral data and Lab values

Adopt high - precision spectroscopic system, accurately separate different wavelengths of light.



2. Multiple color space, Color difference formula, Light source





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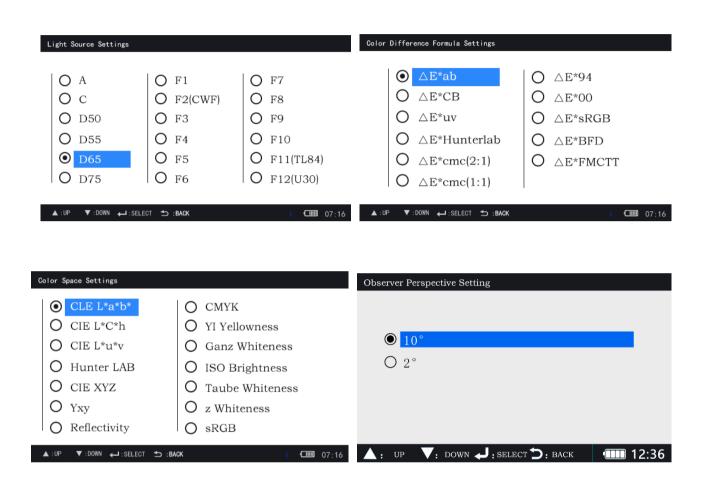






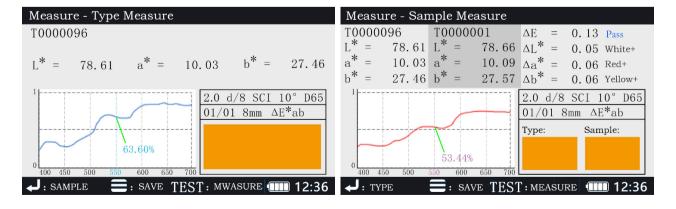
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3. Full-featured and concise interface

An interface displays all the details, including color data, color simulation, measurement conditions, spectral curves, etc.





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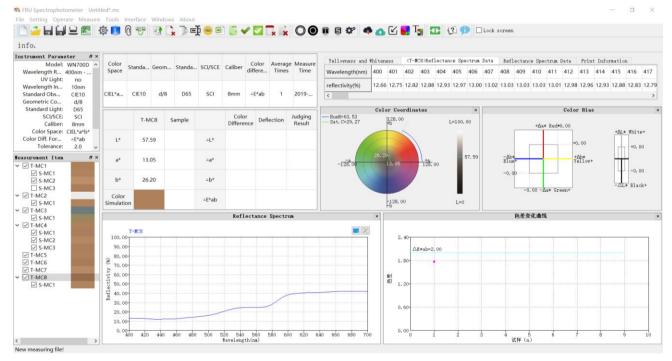


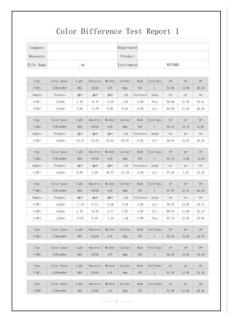
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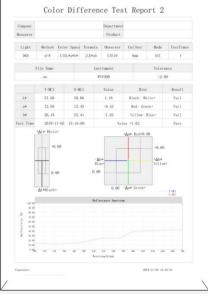
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4. PC software extension

To analysis, upload, download, print and other functions of color data.











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Specification Comparison

Model⊌	Single Caliber-WS2300₽	Switchable Caliber-WS2600€
Geometric		
Conditions₽	d/8€	
Color Space₽	CIEL*a*b*、CIEL*C*h、Hunter LAB	CIEL+a+b+、CIEL+C+h、CIEL+u+v+、Hunter Lab、CIEXYZ、 YXX、Reflectivity、CMYK、YI Yellowness、Ganz、ISO Brightness(R457 Whiteness)、Taube Whiteness、z Whiteness、sRGB+2
Standard Light Source	A、D50、D65、F1、F4、 F11 (TL84) &	A、C、D50、D65、D75、F1、F2 (CWF) 、F3、F4、F5、 F6、F7、F8、F9、F10、F11(TL84)、F12(U30)<
Light Source₽	Combinatorial LED+ ³	
Color Diff. Formula€	ΔE*ab、ΔE*HunterLab、Δ E*CMC(2:1)₽	\triangle E*ab, \triangle E*Ch, \triangle E*yy, \triangle E*Hunter, \triangle E*cmc(2:1), \triangle E*cmc(1:1), \triangle E*94, \triangle E*00, \triangle E*sRGB, \triangle E*BFD, \triangle E*FMCII $^{\circ}$
Measuring Caliber€	Facula 4mm (Caliber Ф6mm) Facula 8mm (Caliber Ф11mm) Facula16mm(CaliberФ16mm)↔	Switchable : Facula 4mm (Caliber Ф6mm) & Facula 8mm (Caliber Ф11mm) 、 Single : Facula 16mm (Caliber Ф16mm) ↔
SCI/SCE₽	SCI+ ²	SCI/SCE∉ [□]
Sensor Array∂	Line array CMOS@256 pixels₽	
Spectral Way₽	Concave diffraction grating	
Observer₽	CIE10°(1964)、CIE2°(1931)₽	
Wavelength coverage	400nm~700nm₽	
Wavelength interval₽	10nm₽	
Measuring interval₽	2.5 Second [‡]	
Reflectance range₽	0%-200%↩	
Repeated accuracy	△E < 0.07 (take the deviation average after 30 times measuring the whiteboard, 10 Second interval)	
Table Difference₽	\triangle E < 0.4 (Measure the RAL 12-color blocks)	∆E < 0.3 (Measure the RAL 12-color blocks)+ ³
Light source life₽	More than 50,000 hours₽	
Battery power₽	Measuring more than 10000 times₽	
Display screen₽	TFT true color 2.8inch@ (16:9)ਪ	
Data storage capacity	Storage Standard 100 groups	
₽ .	Sample 16,000 groups₽	
Operating temperature∂	0°C-40°C (32°F-104°F) ₽	
Storage temperature	-20°C-50°C (-4°F-122°F) ₽	
Working humidity₽	Relative humidity less than 85%, without condensation €	
Weight∂	340g [.]	
Size₽	180*76*60mm₽	
Size of exterior package€	400*240*340mm ₄ 7	
Standard accessories	Power adapter, standard white board, standard black cavity, lithium battery, User Manual, USB cable, PC software (Basic Version)	
Optional accessories	Software (Advanced Version), Micro printer, Locating block₽	



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More Details





About us

Shenzhen Wave Optoelectronics Technology Co., Ltd is a National high-tech enterprise.

We are a R&D manufacturer that mainly offers Spectrophotometer, Colorimeter, Gloss meter,

Thickness meter etc. in Shenzhen, China for 10 years. All series pass CE/ROHS/CNAS international approvals.

If any enquiry on these products, we are ready to do support, thank you!

