



LABORATORY SECTOR

SPECTROPHOTOMETER



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KALSTEIN® Spectrophotometer
Grating Spectrophotometer With UV SCI/SCE Bluetooth
Model YR055500 // YR05502



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KALSTEIN® Spectrophotometer

Grating Spectrophotometer With UV SCI/SCE Bluetooth

Model YR05500 // YR05502



Product Description:

Comply with CIE No.15, GB/T 3978,GB 2893,GB/T 18833,ISO7724/1,ASTM E1164,DIN5033 Teil7, YR05500 // YR05502 grating spectrophotometer features UV, SCI/SCE, USB / Bluetooth, 8mm / 4mm switch aperture, etc. It has high accuracy 0.03 based on white calibration plate measured 30 times at 5 seconds intervals after white calibration was performed. YR05500 // YR05502 Series grating spectrophotometer adopts Bluetooth and USB dual modes for wider use, and with SCI & SCE measurement data, it is compatible with many famous brands. 8mm, 4mm or customized aperture is optional. Special UV light makes YS3060 easy to measure sample with UV and high accuracy and extended function PC software let it be good partner for colorist and color quality control management. Comply with CIE No.15, GB/T 3978,GB 2893,GB/T 18833,ISO7724/1,ASTM E1164,DIN5033 Teil7, YR05500 // YR05502 grating spectrophotometer features UV, SCI/SCE, USB / Bluetooth, 8mm / 4mm switch aperture, etc. It has high accuracy 0.03 based on white calibration plate measured 30 times at 5 seconds intervals after white calibration was performed.

Features:

- ✓ Perfect combination of beautiful appearance and the human body mechanics structural design;
- ✓ D/8 geometrical optics, conforms with CIE No.15,GB/T 3978,GB2893, GB/T 18833, ISO7724/1, ASTM E1164, DIN5033 Tail
- ✓ Use long life and low power consumption combined LED light source, including UV/excluding UV;
- ✓ Switchable Φ 8/4mm aperture, adapt to more samples; support both SCI and SCE at the same time;
- ✓ Measure sample spectra, accurate Lab data , can be used in color matching and accurate color transmission;
- ✓ High electronic hardware configuration: 3.5-inch TFT color LCD, Capacitive Touch Screen, concave grating, 256 Image Element Double Arrays CMOS Image Sensor;
- ✓ USB/Bluetooth 2.1, dual mode, widely useful;
- ✓ Super stain-resistant and stable standard white calibration plate;
- ✓ Large capacity storage space, over 20,000 measurement data;
- ✓ Two standard observer angles, a variety of illuminant, a variety of color indexes, conforms with a variety of standard colorimetric data, meet a variety of customers' demand for color measurement;
- ✓ Camera Locating Function, better position;
- ✓ PC software has a powerful function extension.



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KALSTEIN® Spectrophotometer

Grating Spectrophotometer With UV SCI/SCE Bluetooth

Model YR05500 // YR05502



Technical Specification:

Model Items	YR05500	YR05501	YR05502
Optical Geometry	Reflect: di:8°, de:8°(diffused illumination, 8-degree viewing angle)		
Integrating Sphere Size	48mm		
Light Source	Combined LED Light, UV Light	Combined LED Light	
Spectrophotometric Mode	Concave Grating		
Sensor	256 Image Element Double Array CMOS Image Sensor		
Wavelength Range	400-700nm		
Wavelength Interval	10nm		
Semiband Width	10nm		
Measured Reflectance Range	0-200%		
Measuring Aperture	Dual Aperture: 10mm/8mm & 5mm/4mm	Customized Aperture: 8mm/4mm/1×3mm	Single Aperture: 8mm/10mm
Specular Component	SCI&SCE		
Color Space	CIE LAB,XYZ,Yxy,LCh,CIE LUV,HunterLAB		
Color Difference Formula	$\Delta E^*ab, \Delta E^*uv, \Delta E^*94, \Delta E^*cmc(2:1), \Delta E^*cmc(1:1), \Delta E^*00, \Delta E$ (Hunter)		
Other Colorimetric Index	WI(ASTM E313, CIE/ISO, AATCC, Hunter),YI(ASTM D1925, ASTM 313),Metamerism Index MI, Staining Fastness, Color Fastness, Color Strength, Opacity, 8° Glossiness	WI(ASTM E313, CIE/ISO, AATCC, Hunter),YI(ASTM D1925, ASTM 313),Metamerism Index MI, Staining Fastness, Color Fastness, Color Strength, Opacity	WI(ASTM E313, CIE/ISO, AATCC, Hunter),YI(ASTM D1925, ASTM 313),Metamerism Index MI, Staining Fastness, Color Fastness, Color Strength, Opacity
Display	3.5-inch TFT color LCD, Capacitive Touch Screen		
Data Port	USB, Bluetooth 4.0		USB
Data Storage	Standard 2000 Pcs, Sample 20000 Pcs		
Language	English, Chinese		
Operating Environment	0~40°C, 0~85%RH (no condensing), Altitude < 2000m		
Storage Environment	-20~50°C, 0~85%RH (no condensing)		
Standard Accessory	Power Adapter, Built-In Li-ion Battery, User Guide, PC Software, White and Black Calibration Cavity, Dust Cover		
Optional Accessory	Micro Printer, Powder Test Box, Universal Test Components		
Notes: The specifications are subject to change without notice.			



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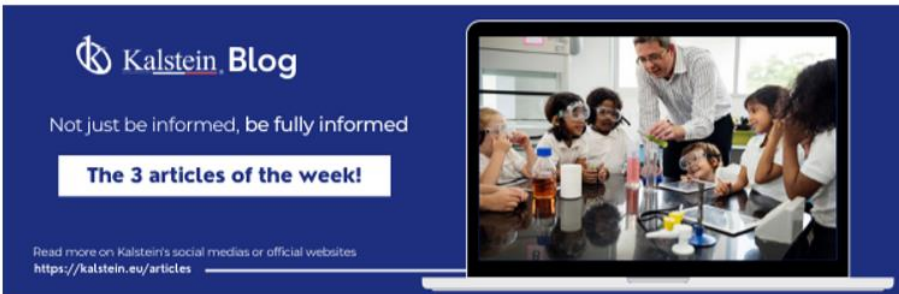
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