



LABORATORY SECTOR

SPECTROPHOTOMETER



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KALSTEIN® Spectrophotometer Plus 45-0 8mm Spectrophotometer

Model YR05505



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KALSTEIN® Spectrophotometer Plus 45-0 8mm Spectrophotometer

Model YR05505



Product Description:

Kalstein have new model YR05505 plus 45/0 grating spectrophotometer that is economic with customized one aperture, like 8mm aperture, or 4mm or 2mm and apply in paints, inks, textiles, garments, printing and dyeing, printing etc. industries for color transfer and quality control.



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Model YR05505



Technical Description:

Model	YR05505
Illumination/Observation system	45/0(45 ring-shaped illumination, vertical viewing);
	Comply with CIE No.15, GB/T 3978,GB 2893,GB/T 18833,ISO7724-1,ASTM E1164,DIN5033 Teil7,GB 2893、GB/T 18833
Features	Common spectrophotometer with customized one aperture, like 8mm aperture and apply in paints, inks, textiles, garments, printing and dyeing, printing etc industries for color transfer and quality control.
Integrating Sphere Size	Φ48mm
Light Source	Combined LED Light
Spectral separation device	Concave Grating
Detector	256 Image Element Double Array CMOS Image Sensor
Wavelength Range	400~700nm
Wavelength Pitch	10nm
Half Bandwidth	10nm
Reflectance Range	0~200%
Measuring Aperture	Customized One Aperture : MAV:Φ8mm/Φ10mm ; SAV:Φ4mm/Φ5mm ; SAV:Φ2mm/Φ3mm ;
Color Space	CIE LAB,XYZ,Yxy,LCh,CIE LUV,HunterLAB,βxy
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),
	MI (Metamerism Index),
	Staining Fastness, Color Fastness, Color Strength, Opacity,
Observer Angle	2°/10°



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Illuminant	D65,A,C,D50,D55,D75,F1,F2(CWF),F3,F4, F5, F6,F7(DLF),F8,F9, F10(TPL5),F11(TL84),F12(TL83/U30)
Display Data	Spectrogram/Values, Chromaticity Values, Color Difference Values/Graph, Pass/Fail Result, Color Offset
Measurement Time	About 1.5s
Repeatability	Spectral reflectance: MAV,Standard deviation within 0.1% (400 nm to 700 nm: within 0.2%)
	Chromaticity value:MAV,within ΔE^*ab 0.05(When a white calibration plate is measured 30 times at 5 second intervals after white calibration)
Inter-instrument Error	Within ΔE^*ab 0.2 (Average for 12 BCRA Series II color tiles)
Measurement mode	Single Measurement, Average Measurement(2-99)
Size(L*W*H)	184*77*105mm
Weight	About 600g
Power source	Li-ion battery. 5000 measurements within 8 hours
Illuminant Life Span	5 years, more than 3 million times measurements
Display	3.5-inch TFT color LCD, Capacitive Touch Screen
Interface	USB
Data memory	Standard 500 Pcs, Sample 20000 Pcs
Language	Chinese,English
Working Environment	Temperature: 0~40°C; Humidity: 0~85% (No Condensation);altitude: less than 2000 m
Storage Environment	Temperature: -20~50°C; Humidity: 0~85% (No Condensation)
Standard Accessory	Power Adapter, USB Cable, Built-in li-ion battery, User Manual, software(download from the website)White and Black Calibration Board, Protective Cover.
Optional Accessory	Micro Printer, Powder Test Box, Universal test components, Locating Plate
Notes: The specifications are subject to change without notice.	



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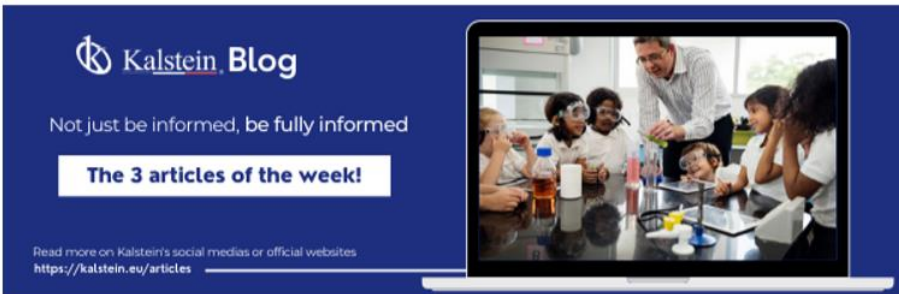
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