



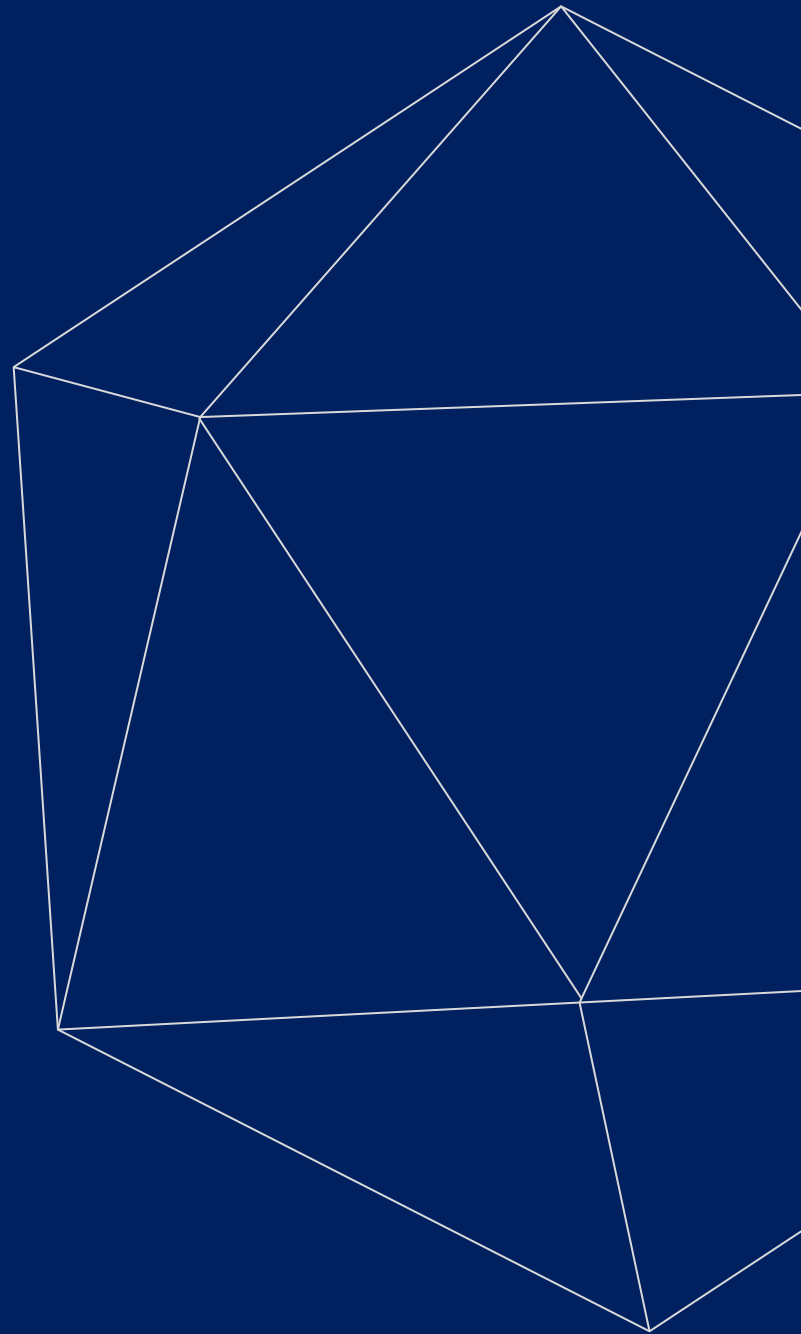
LABORATORY SECTOR

COLORIMETER



Kalstein®

A different accompaniment, at your service





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With more than 25 years growing with our customers, Kalstein's multiformat and modern content, is now present in more than 10 countries and increasing.



KALSTEIN® Colorimeter
Precision Colorimeter
Model YR05513



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KALSTEIN® Colorimeter
Precision Colorimeter
Model YR05513



Product Description:

Kalstein team concentrates on customer needs and develops a new series YR05509 // YR05513 with high precision & low cost & two apertures, and $\Phi 4\text{mm}$ tip aperture, suitable for most samples use. With color space CIE LAB, R05509 // YR05513 is good to check color difference for delta E, and widely used in plastic, electronic, paint, ink, textile, garment, printing and dyeing, food, medical, cosmetic, industries, scientific research institutes, schools and laboratories

Product Advantages:

- ✓ Built-in white plate parameters. No need to calibrate each time which realize rapid measurement.
- ✓ Double Apertures: $\Phi 8\text{mm}$ flat aperture and $\Phi 4\text{mm}$ tip aperture for switch, easy to measure concave sample in large plane.
- ✓ Equipped with rechargeable built-in high-capacity Li-ion battery. No need to purchase battery repeatedly.
- ✓ Handheld design: small and convenient; make the measurement easier.
- ✓ Exquisite appearance: adopts traditional and fashionable aesthetic designs.
- ✓ High cost performance: large output, good quality, cheap products.



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KALSTEIN® Colorimeter Precision Colorimeter Model YR05513



Technical Specifications:

Model	YR05513
Illuminating/Viewing Geometry	8/d(8°illumination angle/diffuse viewing); Conforms to CIE No.15,GB/T 3978.
Illumination	LED white light
Detector	Silicon photoelectric diode
Measuring Aperture	Φ8mm flat aperture; Φ4mm tip aperture
Color Space	CIE LAB
Color Difference Formula	ΔE^*ab
Observer Angle	CIE 10°
Light Source	D65
Displayed Data	Chromaticity Values, Color Difference Values/Graph, PASS/FAIL Result, Color Offset
Measuring Time	1.0s
Repeatability	Standard deviation within ΔE^*ab 0.03 (Average of 30 measurements of standard white plate)
Errors Between Each Equipment	Within ΔE^*ab 0.4 (Average for 12 BCRA Series II color tiles)
Dimension	205×67×80 mm
Weight	500g
Power source	Rechargeable lithium-ion battery 3.7V@3200mAh
Lamp Life	TFT 2.8 inch
Interface	USB
Data Memory	100pcs standards 10000pcs samples
Operating Environment	0~40°C(32~104°F)
Storage Environment	-20~50°C(-4~122°F)
PC Software	No
Standard Accessory	Power Adapter, User Guide, Wristbands, Φ8mm flat aperture; Φ4mm tip aperture.
Optional Accessory	Micro Printer, powder test box

Notes: The specifications are subject to change without notice.



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