



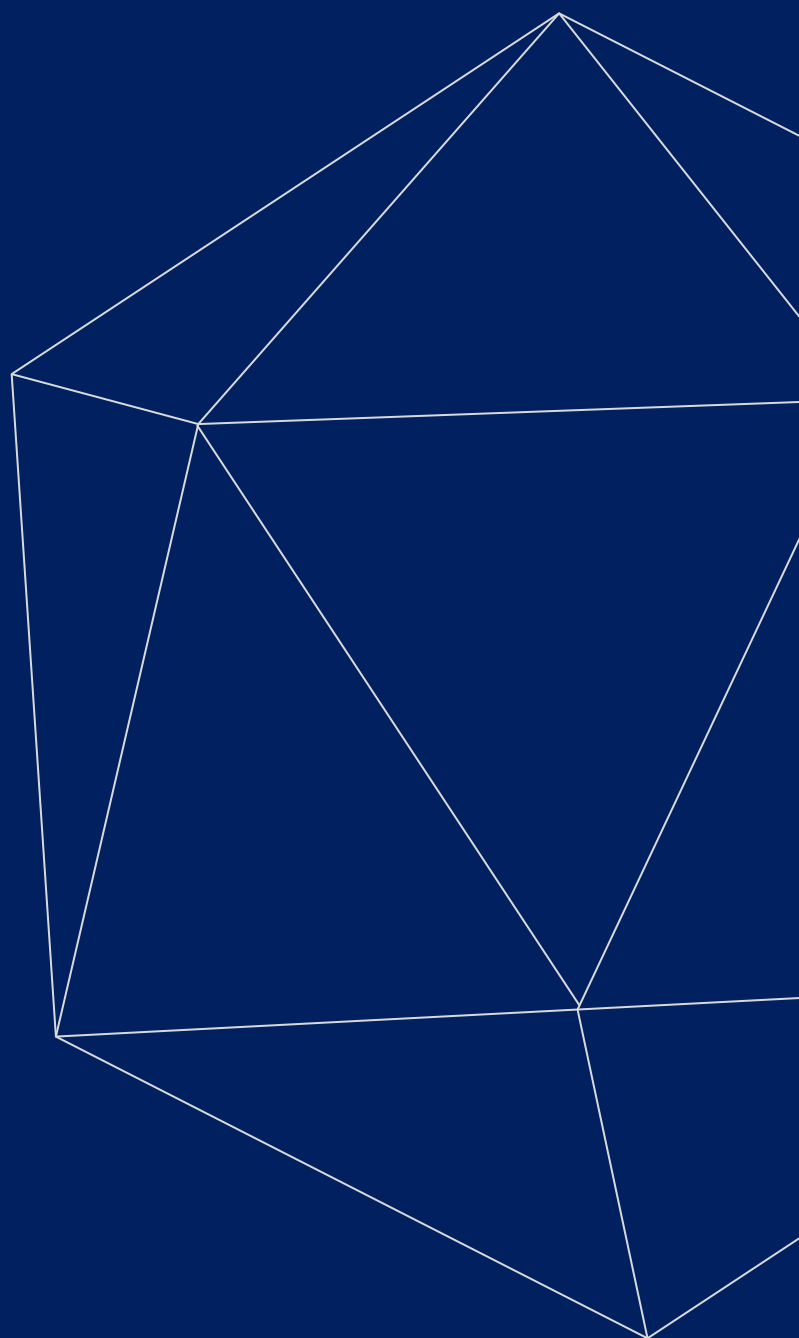
LABORATORY SECTOR

COLORIMETER



Kalstein®

A different accompaniment, at your service





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OUR SERVICES

Benefits and Support

In Kalstein France, we take care of the full satisfaction of our customers, that is why we provide value-added services of the highest level based on our experience.



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Our work team is always available to response all your consults or questions, in order to support you in any situation.



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Enjoy of personalized advice for the correct preventive and corrective maintenance of your equipment, thanks to Kalstein's manuals and articles, special catalogues and video tutorials.



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Kalstein Worldwide

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 YR05512



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KALSTEIN® Colorimeter
Precision Colorimeter
Model YR05512



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 YR05512



Technical Specifications:

Model	YR05512
Illuminating/Viewing Geometry	8/d
Measuring Aperture	Φ4mm
Detector	Silicon photoelectric diode
Locating	Illuminating Locating/Cross Locating
Measurement End Face	Large stable end-face and small concave-convex end-face
Color Space	CIEL*a*b*C*h* CIEL*a*b*
	CIEXYZ
Color Difference Formula	ΔE^*ab $\Delta L^*a^*b^*$ $\Delta E^*C^*h^*$
Light Source	D65
Light Source Device	LED blue light excitation
Errors Between Each Equipment	$\leq 0.80\Delta E^*ab$
Storage	100pcs standards 20000pcs samples
Repeatability	Standard deviation within ΔE^*ab 0.08
	Average of 30 measurements of standard white plate
Language	English/Chinese
Weight	450g
Dimension	205×67×80 mm
Power source	Rechargeable lithium-ion battery 3.7V@3200mAh
Lamp Life	5 years, more than 1.6 million measurements
Charging Time	8 hours–100% electricity
PC Software	CQCS3 Software
Printer (optional)	Miniature thermal printer



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