



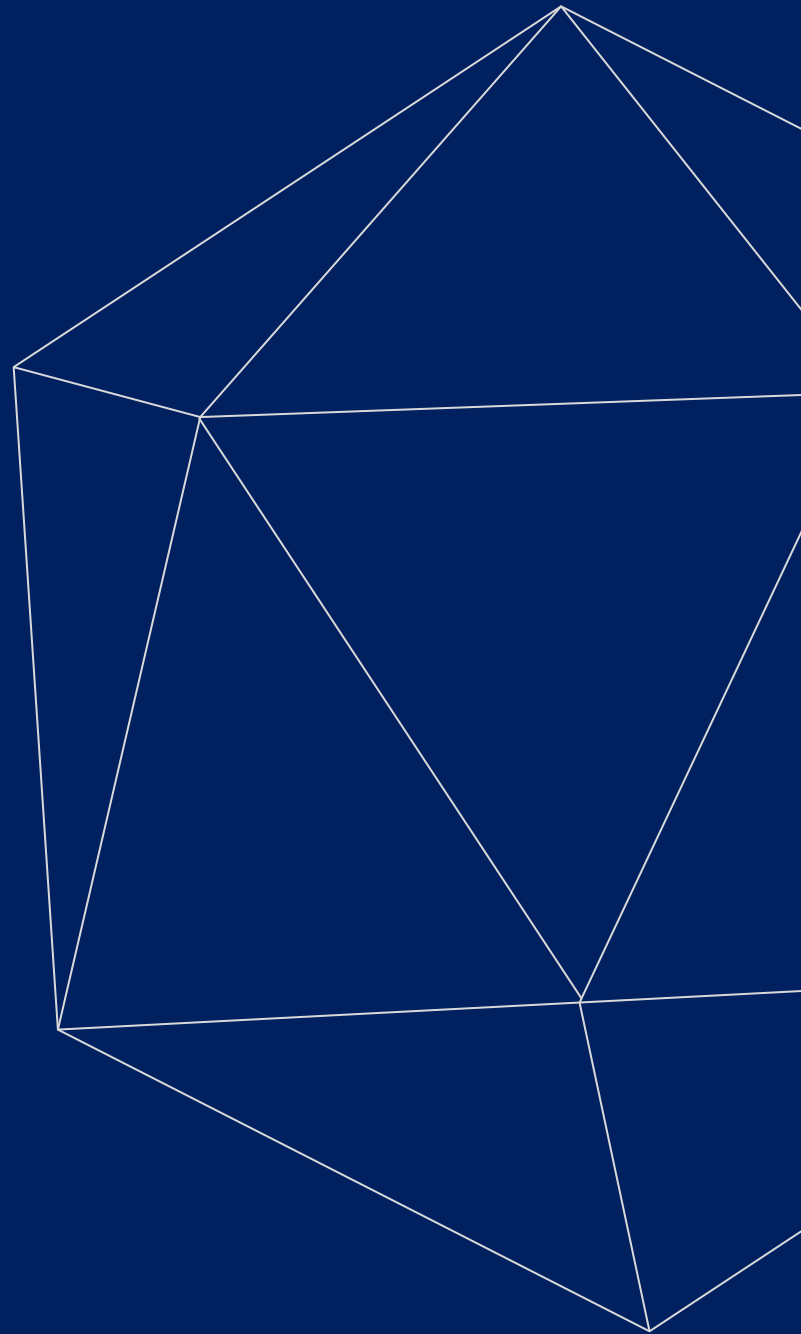
# LABORATORY SECTOR

## COLORIMETER



**Kalstein**®

A different accompaniment, at your service





# Kalstein®

A different accompaniment, at your service

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.



### Online Inductions and Trainings

In any part of the world, receive your induction or training from our specialized team of engineers



### Quick Response

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



### #Letsgivemore ♥

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### Technical Support

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.



### Delivery Logistics

We take care of all the necessary logistics for the dispatch of your goods, whether is by sea, land or air.



### 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 YR05506 // YR05508**



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**KALSTEIN® Colorimeter**  
**Precision Colorimeter**  
**Model YR05506 // YR05508**



**Product Description:**

YR05506 // YR05508 precision colorimeter features with 8/d structure that is very precise. 8mm measurement aperture makes it popular in many applications, such as fabrics, paper, plastic parts, building materials. CSCQ3 software helps perform color difference analysis, color difference cumulative analysis, chromaticity index, color sample database management, simulating object color, etc.

**Applications:**

Kalstein colorimeter spectrophotometer is widely used in plastic, electronic, paint, ink, textile, garment, printing and dyeing, food, medical, cosmetic industries, scientific research institutes, schools and laboratories. It not only can help to perform color matching and color management studies, but also can control product quality management. Kalstein colorimeter is equipped with high-end color management software that can connect to PC to achieve more extension functions.



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## KALSTEIN® Colorimeter Precision Colorimeter Model YR05506 // YR05508



### Technical Specifications:

Model	YR05506	YR05507	YR05508
<b>Illuminating/Viewing Geometry</b>	8/d	8/d	8/d
<b>Measuring Aperture</b>	Φ8mm/Φ4mm	Φ8mm	Φ8mm
<b>Detector</b>	Silicon photoelectric diode	Silicon photoelectric diode	Silicon photoelectric diode
<b>Color Space</b>	CIEL*a*b*C*h* CIEL*a*b* CIEXYZ CIERGB CIEL*u*v* CIEL*C*h* Yellowness & Whiteness Color Fastness	CIEL*a*b*C*h* CIEL*a*b*	CIEL*a*b*C*h* CIEL*a*b*
<b>Color Difference Formula</b>	$\Delta E^*_{ab}$ $\Delta L^*_{a^*b^*}$ $\Delta E^*_{C^*h^*}$ $\Delta ECIE94$ $\Delta E_{hunter}$	$\Delta E^*_{ab}$ $\Delta L^*_{a^*b^*}$ $\Delta E^*_{C^*h^*}$	$\Delta E^*_{ab}$ $\Delta L^*_{a^*b^*}$ $\Delta E^*_{C^*h^*}$
<b>Light Source</b>	D65 D50 A	D65	D65
<b>Light Source Device</b>	LED blue light excitation	LED blue light excitation	LED blue light excitation
<b>Errors Between Each Equipment</b>	$\leq 0.40\Delta E^*_{ab}$	$\leq 0.40\Delta E^*_{ab}$	$\leq 0.50\Delta E^*_{ab}$
<b>Storage</b>	100pcs standards 20000pcs samples	100pcs standards 20000pcs samples	100pcs standards 20000pcs samples
<b>Repeatability</b>	Standard deviation within $\Delta E^*_{ab}$ 0.06	Standard deviation within $\Delta E^*_{ab}$ 0.07	Standard deviation within $\Delta E^*_{ab}$ 0.08
	Average of 30 measurements of standard white plate	Average of 30 measurements of standard white plate	Average of 30 measurements of standard white plate
<b>Weight</b>	500g	500g	500g
<b>Dimension</b>	205×70×100 mm	205×70×100 mm	205×70×100 mm
<b>Power source</b>	Rechargeable lithium-ion battery 3.7V@3200mAh	Rechargeable lithium-ion battery 3.7V@3200mAh	Rechargeable lithium-ion battery 3.7V@3200mAh
<b>Lamp Life</b>	5 years, more than 1.6 million measurements	5 years, more than 1.6 million measurements	3 years, more than 1 million measurements
<b>Charging Time</b>	2 hours (first time 8 hours–100% electricity)	2 hours (first time 8 hours–100% electricity)	2 hours (First time 8 hours–100% electricity)
<b>Measurement Times Before Recharging</b>	More than 3000 times	More than 3000 times	More than 3000 times
<b>Operating Temperature/Humidity Range</b>	-10~40°C, relative humidity 0~85% with no condensation	-10~40°C, relative humidity 0~85% with no condensation	-10~40°C, relative humidity 0~85% with no condensation
<b>Data Interface</b>	USB	USB	USB
<b>Extended Aperture (optional)</b>	Φ8mm extended aperture, available for measuring concave surface	–	–
<b>Printer (optional)</b>	Miniature thermal printer	Miniature thermal printer	Miniature thermal printer, Powder Test Box



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**1**  
Read this ARTICLE NOW

**How does the climate affect your microscope?**

microscope is an instrument that allows observing and measuring small objects. This is achieved through a series of lenses that focus light on the object to be observed.

**Kalstein Blog**

**Article of the week:**  
How does the climate affect your microscope?

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**2**  
Read this ARTICLE NOW

**What is the importance of the laboratory refrigerator?**

Refrigerator is a device that is one of the most essential equipment that is used to maintain, in a controlled environment (refrigerated space), various fluids and substances.

**Kalstein Blog**

**Article of the week:**  
What is the importance of the laboratory refrigerator?

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