



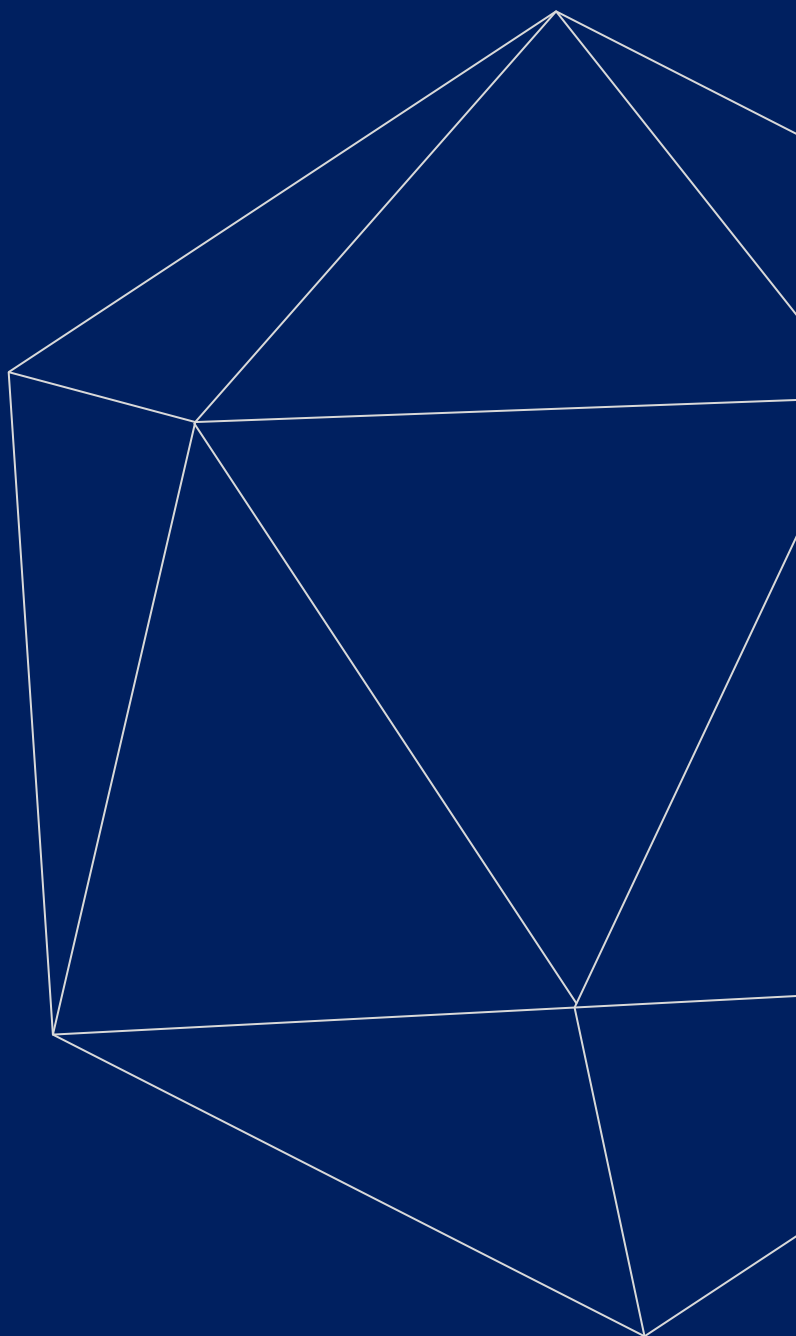
# LABORATORY LINES

## SPECTROPHOTOMETERS



**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

Thanks to your purchase, a donation will be made to a non-profit foundation that fights against breast cancer and helps most vulnerable communities.



### 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® Spectrophotometer****UV/VIS Spectrophotometer****YR01853**

A spectrophotometer is a special instrument that measures how much light a substance absorbs. Every substance will transmit (reflect) and absorb light slightly differently. Like how a fingerprint identifies each individual human, knowing exactly how much red (or green, or blue, etc.) gets absorbed allows us to identify and quantify varied materials.

A spectrophotometer is used in many areas of science including microbiology, biochemistry, forensics, physics, and medical health. You can use it to measure certain ingredients in a drug to make sure it is effective and safe for consumers. You can measure bacterial growth, or diagnose a patient based on how much uric acid is present in their urine. Even non-scientists use spectrophotometers. Wine-makers, for example, use them to determine how much malic acid (reducing sugars) a wine has in it.

Scientists can also use the spectrophotometer to see how a reaction has progressed. Let's say you're studying iron deficiency, a condition that affects over 2 billion people. Antioxidants, vitamins, and other agents are known to help in iron deficiency, but they don't have a single specific chemical make-up, and so they can't be directly measured. However, they are known to reduce ferric iron into ferrous iron, a more valuable form to the human body.

**YR01853 UV/VIS Spectrophotometer****Features**

Lead screw structure

The instrument uses a lead screw structure so that the instrument wavelength accuracy and wavelength resolution can be greatly improved.

✓ **Auto setting wavelength**

Users set wavelength automatically through arrow keys to avoid operation errors.

✓ **Numerical Keys**

With microprocessor controlled, all parameters of the instrument can be easily set by numerical keys.

✓ **Date output**

Equipped with USB port to connect with a PC to display spectrum scanning, kinetics and multi wavelength testing results on the screen through the optional software.

✓ **8mm thick optical base**

The instrument use a rigid die-cast aluminum base as its optical mount to ensure instrument stability and reliability.

✓ **Imported high quality deuterium lamp**

The UV instruments use imported flanged deuterium lamp with low stray light, photometric accuracy and easy replacing.

✓ **Standard curve**

The instruments can set up various standard curves according to customer's solutions and find the concentration of unknown solutions.



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**KALSTEIN® Spectrophotometer**  
**UV/VIS Spectrophotometer**  
**YR01853**



Model	YR01853
Wave Range	190-1100nm
Broadband	2 nm
Wavelength Accuracy	± 0,5 nm
Wavelength Repeatability	≤ 0,2 nm
Wavelength Setting	Auto
Photometric Accuracy	± 0. 2 % T
Photometric Repeatability	0,2% T
Photometric Range	-0,3-3A, 0-200% T, 0-9999C
Stability	± 0,002 A / h @ 500 nm
Flatness of noise baseline	± 0,0015 A / h
Stray Light	≤0.05% T
Data Output Port	USB
Printer Port	Parallel port
Monitor	128 * 64 dots LCD
Lamp	Tungsten lamp and Duterium lamp
Detector	Silicon Photodiode
Energy Requeriment	CA 220V / 50Hz or CA 110V / 60Hz
Dimension	460 * 360 * 225 mm
Weight	18kg

Item	Description	Quantity	Unit
1	Spectrophotometer	1	Set
2	1cm Glass bowl	4	pcs
3	Power Cord	1	pcs
4	User manual	1	pcs
5	1 cm Quartz bowl	2	pcs



**#Letsgivingore** ♥

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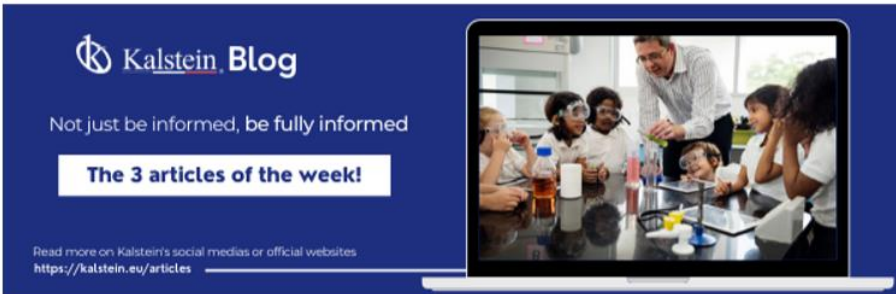


MANIAPURE FOUNDATION USA

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Thank you!

**Articles Kalstein**  
(Social Networks and Official Websites)



**Kalstein Blog**  
Not just be informed, be fully informed

**The 3 articles of the week!**

Read more on Kalstein's social medias or official websites  
<https://kalstein.eu/articles>

**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 possible 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?

Read more on Kalstein's social medias or official websites  
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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 common 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?

Read more on Kalstein's social medias or official websites  
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