



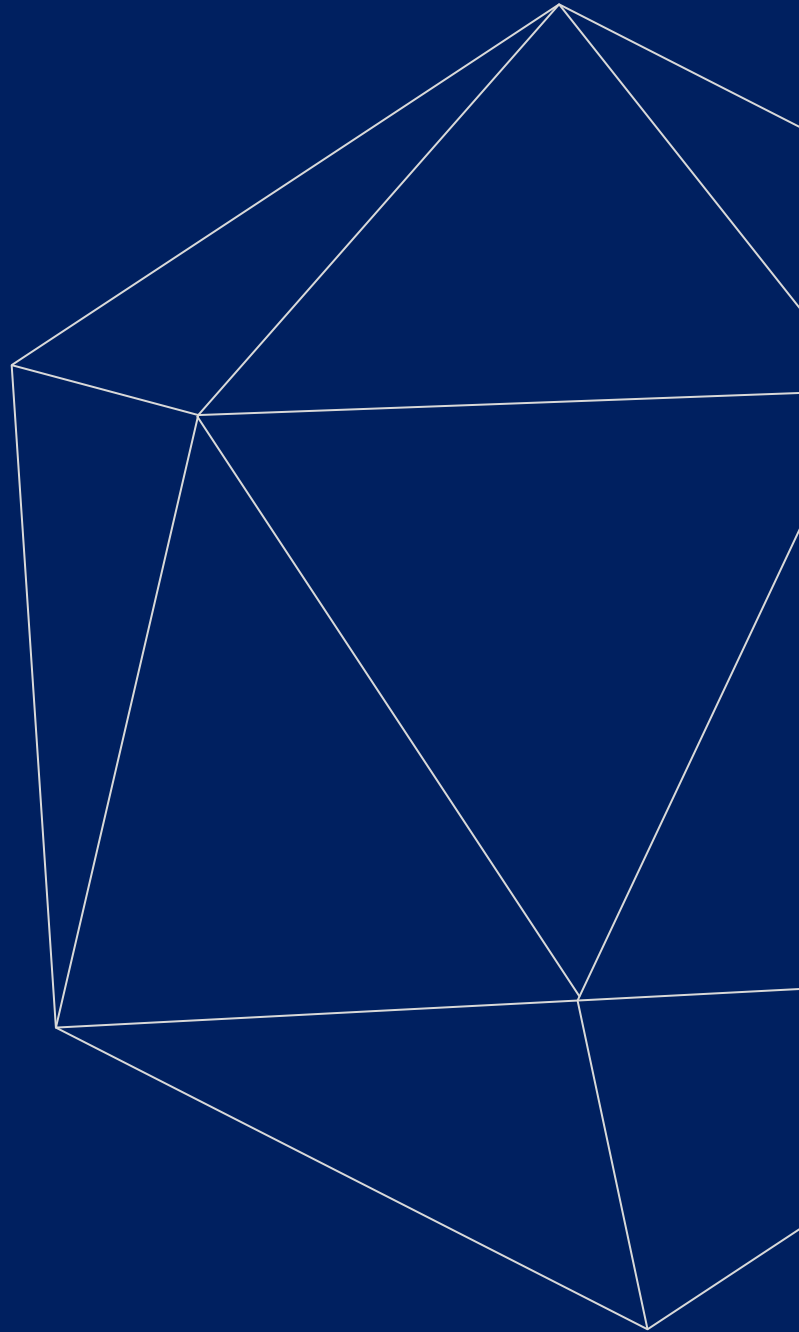
LABORATORY LINES

SPECTROPHOTOMETERS



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KALSTEIN® Spectrophotometer Visible Spectrophotometers

Model YR01845

YR01845 is a single beam visible spectrophotometer with manual wavelength setting. It is a basic model and ideal choice for routine analysis and general experiments. This specially designed single beam spectrophotometer is a low-cost spectrophotometer which offers high performance, easy operation and wide application.

Features

2.5 inches LCD screen

Equipped with a 2.5 inches LCD screen to give a clear display of standard curves and groups of results.

Standard curve

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

Data output

Equipped with USB port to connected with a PC to display spectrum scanning, kinetics and multiwavelength testing results on the screen. The software is optional

Multiple results readout

Can display wavelength, absorption and transmittance with 5 results per screen. It also has a memory store of up to 200 results.

Auto setting wavelength

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



Spectrophotometers

A spectrophotometer is a device used in laboratories to determine what the beam of radiation or electromagnetic light is and thus identify, qualify and quantify its intensity. It also allows to determine its efficiency, sensitivity, resolution and spectral range. This will depend on the variability of the design and the choice of optical components it contains.

Its operation is based on the light of the special lamp it has, which is guided by a connector that selects and separates the light from the wavelength, and then passes through a sample. The intensity of the light coming out of that sample is captured and compared with the intensity of the light that affects that sample, with this information the transmittance can be calculated, which will depend on the concentration of the substance.

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Optimum Business Center 450 Rue Baden Powell,
• 34000 Montpellier, France.
Tél: +33 467158849 / +33 680760710/ +33 663810023
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KALSTEIN® Spectrophotometer Visible Spectrophotometers Model YR01845



Optical System	Single beam, grating 1200 lines/mm
Wavelength Range	325-1000nm
Bandwidth	2nm
Wavelength Accuracy	±2nm
Wavelength Repeatability	0.5nm
Wavelength Setting	Auto
Wavelength Resolution	0.1nm
Photometric Accuracy	±0.5%T
Photometric Repeatability	≤0.2%T
Photometric Range	-0.3-3A, 0-200%T, 0-9999C
Photometric Mode	T, A, C, F
Stray Light	≤0.1%T
Stability	± 0.002A/h @ 500nm
Display	128*64 LCD
Detector	Silicon Photodiode
Light Source	Tungsten Lamp
Output	USB port & Parallel Port (Printer)
Power Requirements	AC 85~250V
Dimension	420*280*180mm
Weight	10kg

Item	Description	Quantity	Unit
1	Spectrophotometer	1	set
2	1cm Glass cuvette	4	pcs
3	Power cord	1	pcs
4	User's Manual	1	pcs
5	Dust Cover	1	pcs



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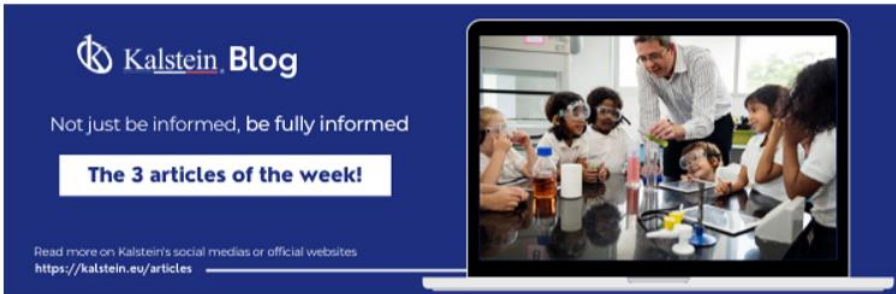
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Not just be informed, be fully informed

The 3 articles of the week!

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1
Read this ARTICLE NOW

How does the climate affect your microscope?

microscope is an instrument used for observing small objects that are not visible to the naked eye. This is achieved through the use of lenses or a system of mirrors that collect and focus light from the object being 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 important equipment that is used in a laboratory. It is a controlled environment (refrigerated space), where fluids and substances are stored.

Kalstein Blog

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

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PARIS - FRANCE
HEADQUARTER
2 Rue Jean Lantier
75001 Paris - France

Tlf: +33 (0) 01 78 95 87 89
Cel: +33 (0) 6 80 76 07 10
sales@kalstein.eu

<https://kalstein.eu/>
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