



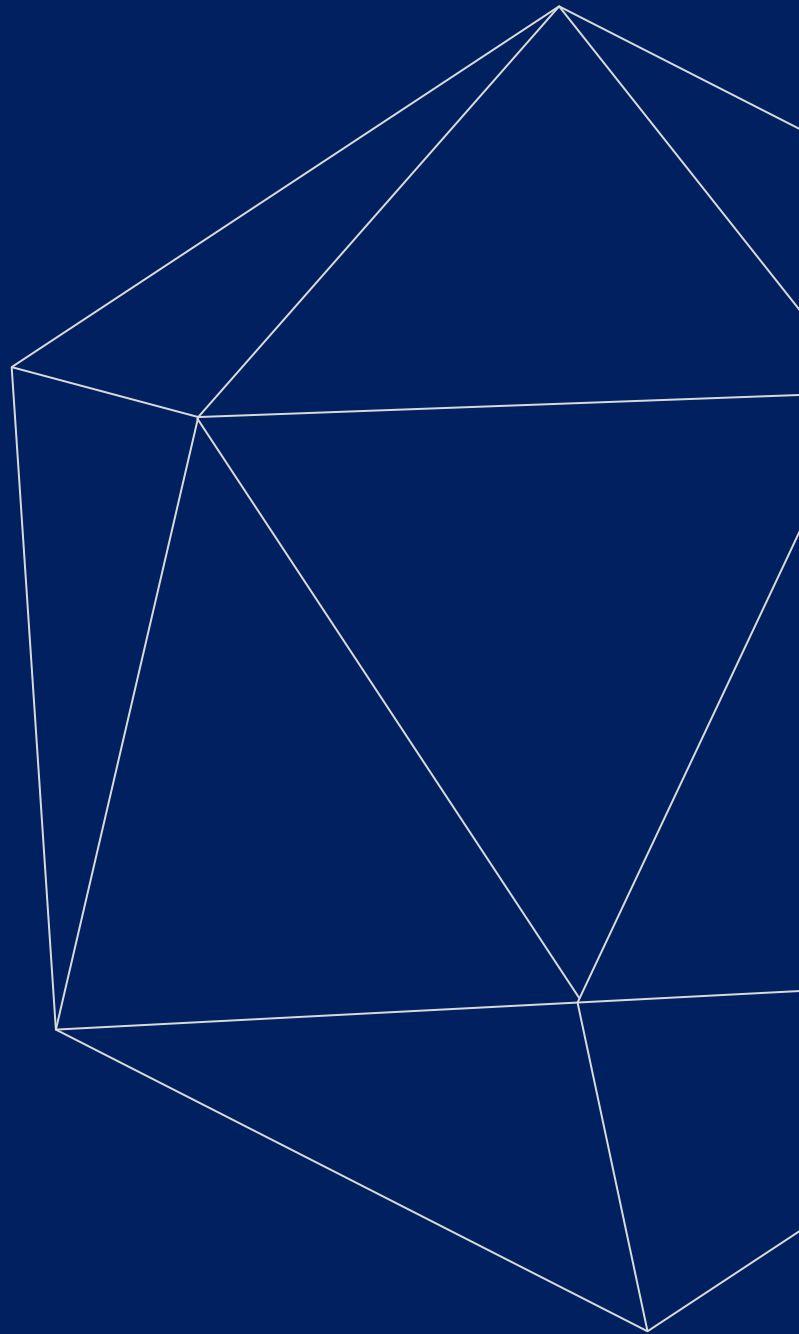
LABORATORY LINES

SPECTROPHOTOMETERS



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A different accompaniment, at your service





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KALSTEIN® Spectrophotometer**Single Beam UV Vis Spectrophotometer****YR01849**

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.

**Features****1. Precision Lead Screw Structure**

Designed with precision lead screw structure which highly improves wavelength accuracy and wavelength resolution.

2. Automatic Wavelength Setting

The wavelength could be set automatically through arrow keys to avoid misoperation.

3. Complete Numerical Keys

All parameters, like wavelength, concentration, etc. can be easily set by complete numerical keys.

4. Easy Data Output

The USB port is used for PC connection to realize spectrum scanning, kinetics, multi-wavelength, etc. The Parallel port is used for micro printer connection to print data and standard curve directly. PC software and micro printer are optional.

5. 8mm-thick Optical Base

All optical components are fixed on an 8mm-thick rigid die-cast aluminum board which ensures high stability and reliability.

6. Imported Tungsten Lamp and Deuterium Lamp

The imported tungsten lamp and deuterium lamp reduce much stray light which ensures high photometric accuracy.

7. Standard Curve, Quick Establishing

Easy and quick to establish various standard curve according to different samples and find the concentration of unknown samples.

Optional Accessories

- ✓ 10mm 8-position auto cell holder
- ✓ Adjustable cell holder for micro cuvettes
- ✓ Transparent film holder
- ✓ Test tube holder
- ✓ Peltier & Sipper system
- ✓ Micro thermo printer
- ✓ Reflectance Attachment
- ✓ Spare Tungsten and Deuterium Lamp

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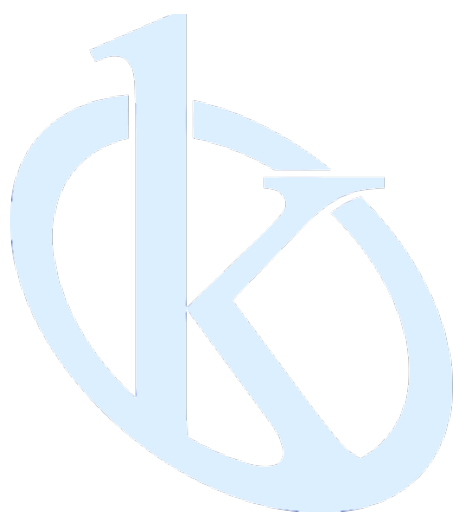


KALSTEIN® Spectrophotometer**Single Beam UV Vis
Spectrophotometer****YR01849****Specifications:**

Wavelength Range	190-1100nm
Bandwidth	2nm
Wavelength Accuracy	±0.5nm
Wavelength Repeatability	≤0.2nm
Wavelength Setting	Auto
Photometric Accuracy	±0.2%T
Photometric Repeatability	0.2%T
Photometric Range	-0.3-3A, 0-200%T, 0-9999C
Stability	±0.002A/h @500nm
Baseline Flatness	± 0.0015A/h
Stray Light	≤0.05%T
Data Output Port	USB
Printer Port	Parallel Port
Display	128*64 Dots LCD
Lamps	Tungsten Lamp & Deuterium Lamp
Detector	Silicon Photodiode
Power Requirements	AC 220V/50Hz or AC 110V/60Hz
Dimension	460*360*225mm
Weight	18kg

Accessories:

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	1 cm quartz cuvette	2	pcs
6	Dust Cover	1	pcs

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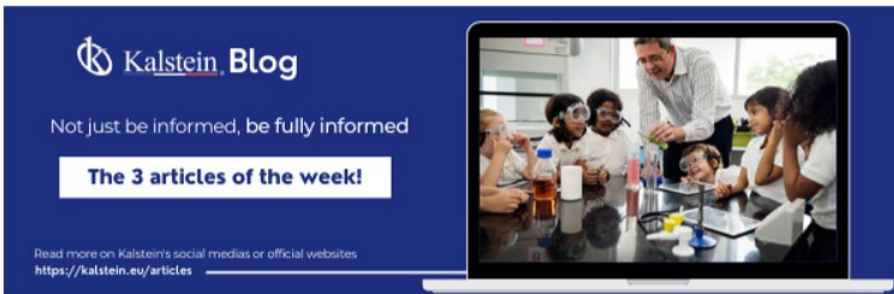
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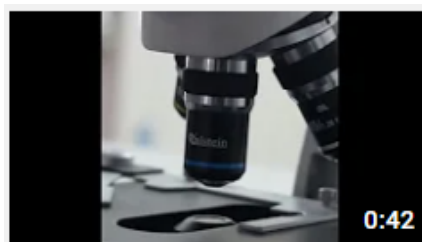
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