

LABORATORY LINES SPECTROPHOTOMETERS





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KALSTEIN® Spectrophotometer UV/VIS Spectrophotometer YR01858

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.



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Product Description

- ✓ 800*480 large touch screen clearly shows test results and graphs.
- Powerful data analysis system with internal computer host could realize multi functions independently.
- Like establishing calibration curve, photometric measurement, quantitative measurement, spectral scanning, dynamics, DNA/Protein test, multi-wavelength analysis and data printing.
- ✓ Optical system adopts suspension design. All optical parts are independently fixed on the 8mm thick aluminium deformation-free

base to avoid the impact of bottom plate deformation and outside vibration on optical system.

- This premium design greatly improved the stability and reliability of the instrument.
- ✓ Convenient data storage and printing function.
- ✓ YR01858 can be directly connected to the printer for A4 format data and graph printing.
- Automatic power on self test and system positioning function could inspect and calibrate the deviation before every use.

ltem	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		pcs



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KALSTEIN® Spectrophotometer UV/VIS Spectrophotometer YR01858



Model

Wavelength Range The spectral bandwidth Wavelength Accuracy

Stray light Wavelength Repeatability

Photometric Accuracy

Photometric Repeatability

Stability

Photometric Range

Baseline flatness Noise Display Data Output Port Print Port

Light source

Power Requirements

Detector Dimension Weight YR01858 190-1100nm 2nm ±0.5nm 0.05% T @ 220 nm, 360 nm ≤0.1nm

±0.2%T(0-100%T) ±0.002Abs(0-0.5Abs) ±0.004Abs(0.5-1.0Abs)

≤0.1%T(0-100%T) 0.001Abs(0-0.5Abs) 0.002Abs(0.5-1.0Abs)

 ± 0.00 1A/h@500nm

0-200%T, -0.3-3.0A, 0-9999C

±0.001A ±0.0005A 800*480 touch screen USB USB Port

Tungsten Lamp & Deuterium Lamp

AC 220V/50Hz or AC 110v/60Hz

Silicon Photodiode 460*380*180mm 20KG



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Thank you!



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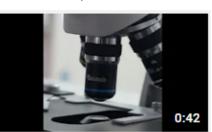
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