

Advanced Single Beam UV-VIS Spectrophotometer



Product Categories: [Analytical Lab Instruments](#)

Product Tags: [Analytical Laboratory Equipment](#)

Product Page:

<https://www.labappara.com/product/advance-single-beam-uv-vis-spectro%ac165000-photometer/>

Product Description

Advanced Single Beam UV-VIS Spectro photometer - Analytical Laboratory Equipment

Cuvette Holder USB Pot Computer Interface Highly Accurate & Stable High wavelengths Precision

Compact & Good Looking Shape

A versatile, Rugged, Easy to operate

Accurate Instrument to determine Absorbance, % Transmission and Concentration of Liquids.

Along with scanning facility.

Optical Design

Single-beam, grating-based, dual detectors

Display

6 inches 128×64 dots back light digital LCD

Data Interface

RS232(printout or communication)

Printer

Thermal graphics printer or universal Printer

Languages

Software, printout and operators manual: English

Software

Photometric measurement (Absorbance ration, Absorbance difference)

Spectral measurement (Survey scan)

Quantitative measurement (Standard curve, Multi wavelength)

Kinetic measurement

Keyboard

Membrane Key Pad

Cell Holder

4-position automatic cuvette rack for 4 cuvettes – 10 MM.

Spectral Bandwidth

2 nm

Optical Design

Split-beam, grating-based, dual detectors

Lamp Source

Prealigned deuterium lamp with 3000 hours lifetime, Halogen-Tungsten Lamp with 10000 hours lifetime

Wavelength Range

190-1100nm

Wavelength Accuracy

$\pm 0.5\text{nm}$

Wavelength Reproducibility

$\leq 0.2\text{nm}$

Photo metric range

0-999.9%T

-3A-3A

0-9999C

Photo metric Accuracy

$\pm 0.3\%(t)$ (0-100%t)

0.002A (0-0.5A)

0.004A(0.5-1A)

Photo metric Reproducibility

$\leq 0.15\%(t)$ (0-100%t)

0.001A(0-0.5A)

0.002A(0.5-1A)

Photo metric Readout

Absorbance, Transmittance, Concentration Energy

Noise

$\pm 0.001A$

Drift

0.001A/h

Stray Light

$\leq 0.05\%(t)$ (220nm, NaI)

Power Requirements

Automatically adapted input power 100-240volts

Warranty

1 Year Warranty.