

VELAB™



VE-8000A

UV-Visible Light Spectrophotometer

The most advanced spectrophotometer of VELAB series. Equipped with double beam Littrow type, designed to meet the needs of laboratories which use spectrophotometry as a routine method for the analysis and quantification of reacting substances, nutrients, pollutants, metabolites, and to develop standard curves and kinetics of enzyme activity in the areas of analytical chemistry, biochemistry, pharmaceuticals, petrochemistry, environmental protection, food and beverages laboratories, and in other fields of analytical quality control and advance research.

Velab, Co.
USA

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www.velab.net.



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SPECIFICATIONS

WAVELENGTH RANGE

190 – 1100 nm.

BANDWIDTH

1.0 nm.

PHOTOMETRIC SYSTEM

Double beam Littrow type, diffraction grating of 1200 lines/mm.

SCAN SPEED (AUTOMATIC MODE FOR WAVELENGTH SCANNING)

High, medium and low. Maximum of 1000 nm/min.

WAVELENGTH CALIBRATION

Automatic power-on.

WAVELENGTH ACCURACY

± 0.3 nm.

WAVELENGTH REPEATABILITY

0.2 nm.

UNIFORM WAVELENGTH RESPONSE

± 0.002 A.

CELL HOLDERS

Standard with 4 positions, 10 mm.

PHOTOMETRIC RANGE

– 0.3 – 3.0 A, 0 – 200 % T.

DIFFUSED LIGHT

0.05 % T to 220nm y 360 nm.

SCREEN

LCD.

DATA OUTPUT

USB port, port for the printer.

LIGHT SOURCE

Deuterium light bulb and Tungsten light bulb.

DEVIATION

< 0.002A/h a 500nm.

POWER REQUIREMENTS

CA 110-240V, 50/60 Hz.

DIMENSIONS (L X W X H)

625 x 430 x 206 mm.

OPERATING ENVIRONMENT

22 ± 2° C.

WEIGHT

28 kg.

ACCESORIES INCLUDED

Dustcover
Power Cord
4 glass cells
2 quartz cells

