

SD Card Option

Bluetooth Option

Printer Option

Graphic Display

Xenon Light Source



The new Hoefer Vision Life Science Spectrophotometer has 16 predefined methodologies for nucleic acid quantification (DNA, RNA, and oligonucleotides), protein assays (BCA, Biuret, and Lowry), and for cell density measurements. The visualization of the nucleic acid scan is particularly useful, especially for RNA samples where impurities might be present in the 230 nm region, but not have an adverse effect on the A260/A280 ratio.

The combination of the life science methods with the rapid scanning, kinetics, and concentration capabilities of the Vision make it a great addition to any molecular biology or biochemistry laboratory. In kinetics mode, the basic plot of absorbance against time may be supplemented with the result for $\Delta A/\text{min}$. In addition, the correlation coefficient is also calculated for the duration of the assay. This slope may be multiplied automatically by a factor to convert it directly to the rate of reaction.

The Vision Life Science Spectrophotometer has novel Gifford optics for high energy combined with a Xenon source for long life. The instrument also includes a unique, integral cuvette tray for storage of expensive cells and sample support. An integrated printer, wireless Bluetooth connectivity, and SD memory card options are also available.

- Dual Channel Monochrometer
- Wavelength 190-1100 nm
- Absorbance Range -0.3 to 2.5 A
- 16 Predefined Methods
- Stores up to 90 User Defined Programs
- Gifford Optics
- Small Volumes with Ultra Micro Cell (5-7 μl)

Technical Specifications

Lamp Source	Xenon
Optical System	Dual Channel Monochrometer
Wavelength Range	190-1100 nm
Wavelength Accuracy	± 2 nm
Bandwidth	5 nm
Absorbance Range	-0.3 to 2.5 A
Photometric Reproducibility	± 0.002 A at 0-0.5 A, 546 nm
Photometric Accuracy	± 0.003 A at 0-0.5 A
Stray Light	0.5%T at 22 and 340 nm
Outputs	USB (Standard), Bluetooth and SD Card (Option)
Dimensions (w x h x d)	26 x 10 x 39 cm
Weight	6 kg
Safety Certifications	EN61010-1, CE

Ordering Information

Cat. #	Description
SP-2001	UV/Visible Life Science Spectrophotometer
SP-2001PT	UV/Visible Life Science Spectrophotometer w/Printer
SP-2001-SD	UV/Visible Life Science Spectrophotometer w/SD Card
SP-2001BL	UV/Visible Life Science Spectrophotometer w/Bluetooth
SP-210606	Ultra Micro Cell