



Biowave II with USB data storage from Biochrom



Features

- ✓ 190-1100nm wavelength range with 5nm bandwidth
- ✓ On board software has pre-programmed life science applications for quick concentration determinations.
- ✓ Large display allows the visualisation of standard curves and wavelength scans.
- ✓ Data is easily exported using a USB flash drive
- ✓ Xenon lamp light source rarely needs replacement
- ✓ Robust optical system uses no moving parts for high quality measurements

The **Biowave II with USB data storage** completes the picture for laboratories that are looking for a robust yet lightweight UV/Vis spectrophotometer for typical applications such as wavelength scans, absorbance and transmittance measurements as well as kinetic measurements and concentration determinations using a factor or a standard curve. The Biowave II with USB also has pre-programmed methods for life science applications which make it easier for the scientist to get

the concentration not just the absorbance measurement of their protein or DNA sample. The instrument is easy to use with a large graphical display and an intuitive menu directory which uses a keypad. The Biowave II USB has a robust optical platform which uses no moving parts and a Xenon lamp for longer life time without the worry of replacement. This easy to use, low-maintenance and lightweight instrument is a great choice for university research or teaching labs.

Pre-programmed methods

Nucleic Acid Methods	Protein Methods
DNA concentration and purity	Bradford Assay
RNA concentration and purity	BCA Assay
ssDNA concentration and purity	Lowry Assay

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Technical Specifications

Specification	Data
Type	UV/Vis
Wavelength Range	190 - 1100nm
Wavelength Accuracy (\pm)	2nm
Wavelength Reproducibility (\pm)	1nm
Lamp Source	Xenon (PTR)
Beam	Split Beam
Optical System	Monochromator Holographic Grating
Bandwidth	5nm
Detector	1024 CCD array
Photometric Range	-0.300 to 2.500A
Photometric Accuracy	\pm 0.003A at 0-0.5A at 546nm
Photometric Reproducibility	0.002A at 0 - 0.5A at 546nm
Stray Light	0.5%T at 220 & 340nm
Stability	0.01A/h at 340nm
Spectral Scanning	Yes
Measurement Type	Fixed Wavelength (Abs/%T), Abs ratio, concentration (standard curve), concentration (factor), multiwavelength, kinetics, life science methods, cell density
Cell Compatibility	Cuvette 10mm, Microcell*, Ultra Microcell*
Other Sample Containers	n/a
Cell Holder	10mm cell holder
PC Software	Resolution PC software in standard, Life Science and CFR versions are optional
Method Storage	Up to 90
Regulatory Compliance	CE
Printer	Integrated thermal printer*, External via Export*
Data Output	Print*, Store*, Export to PC*
Display	Graphical LCD
Export/ Data Storage	USB data storage via tsv file, USB cable*
Data Interface	USB
Languages	English
Power Requirement	90-250 V AC, 50/60Hz, 30VA
Weight	4.5Kg (9.9lb)
Dimensions (WxDxH)	10 x 26 x 39 cm (3.9 x 10.2 x 15.3 inches)
Certification	CE

* For use with PVC data transfer software which is included as standard.

Ordering Information

Part Number	Description
80-3005-24	Biowave II with USB data storage

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