



Lightwave 3 & Lightwave 3+

WPA Spectrophotometers

The Lightwave 3 and 3+ diode array spectrophotometers offer all the benefits associated with the established WPA Lightwave range. Predefined methods for rapid scanning, kinetics and concentration capabilities, a variable pathlength cell holder up to 40 mm and their compatibility with disposable low volume UV cuvettes have made them a common sight among educational and industrial laboratories alike.

Features & Benefits

- UV/Visible spectrophotometer covering 190 to 1100 nm allows you to see more of your sample
- Save data to a USB flash drive so results can be analysed later
- Builds on the success of the WPA Lightwave range
- PVC (Print Via Computer) software is included and allows you to transfer data directly from the instrument to your PC
- Optional integrated printer and wireless accessories

Technical Specifications

Technical	
Wavelength Range	190 to 1100 nm
Monochromator	Flat grating
Wavelength Calibration	Automatic upon switch on
Beam Height	15 mm
Spectral Bandwidth	5 nm or 3 nm for '+' models
Wavelength Accuracy	±2 nm
Wavelength Reproducibility	±1 nm
Light Sources	Xenon flash lamp
Detector	Twin CMOS array
Photometric Range	-0.300 to 2.500 A, 0.3 to 199 %T
Photometric Linearity	±1.3 % or ±0.008 A whichever is greater at 546 nm
Photometric Reproducibility	±0.002 A to 0.5 A at 546 nm
Stray Light	<0.5 %T 340 nm
Stability	±0.01 A/h at 340 nm
Noise	±0.005 peak to peak ±0.002 RMS

Technical Specifications

Software	
Applications	Single wavelength Multi wavelength Concentration Standard curve Wavelength scanning Kinetics Absorbance ratio
Digital Output	USB flash drive, PC via PVC software, Optional: Wireless
Data Export	USB flash drive: .tsv, native PVC format PC via PVC: .csv, .emf, .xlsx, .xls, .rtf, .tsv, native PVC format
Method Storage	90 with PIN number protection
Graphical Display	Yes, zoom and track function
Sample ID	Yes
Languages	English, German, French, Spanish, Italian, Japanese, Chinese
Dimensions	260 × 390 × 100 mm
Weight	3.00 kg

Ordering Info

Order #	Product
80-3007-42	WPA Lightwave 3
80-3007-43	WPA Lightwave 3 with Printer
80-3007-44	WPA Lightwave 3 Wireless
80-3007-45	WPA Lightwave 3 Wireless with Printer
80-3007-47	WPA Lightwave 3+
80-3007-48	WPA Lightwave 3+ with Printer
80-3007-49	WPA Lightwave 3+ Wireless
80-3007-50	WPA Lightwave 3+ Wireless with Printer



Biochrom Ltd.
Unit 7, Enterprise Zone 3970
Cambridge Research Park,
Cambridge, CB25 9PE, UK

Sales: sales@biochrom-us.com

Technical Support:
enquiries@biochrom.co.uk

Web: www.biochrom.co.uk

United Kingdom:
Tel: +44 (0) 1223 423 7233

Americas:
Tel: +1 800 272 2775