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

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

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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct.
If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.