

# Biowave 3+ Colour Touch

**WPA** Spectrophotometers



## FEATURES & BENEFITS

- Wavelength Range: 190 to 1100 nm
- Fast and easy to use wavelength scanning, kinetics, single or multiple wavelength reading, standard curve and absorbance ratio capability
- Pre-loaded Life Science Methods:
  - Nucleic Acid quantification
  - Protein applications (Bradford, Lowry, Biuret, BSA)
  - Nucleic Acid and Protein fluorescent dyes
  - OD 600 Microbial growth
  - Tm calculation
- 2 year warranty

The Biowave 3+ Colour Touch is truly an all-encompassing Life Sciences Spectrophotometer.

From the most basic cell density or single wavelength reading, to low volume molecular quantification, this is the most versatile single beam UV/Visible instrument on the market.

This compact and robust instrument is perfect for most Life Science laboratories, from undergraduate teaching to biotech and R&D, the Biowave 3+ CT can cover the full spectrum of needs.



## SPECIFICATIONS

### Technical

Wavelength Range	190 to 1100 nm
Monochromator	Flat grating
Wavelength Calibration	Automatic upon switch on
Beam Height	15 mm
Spectral Bandwidth	3 nm
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	
<b>General Laboratory:</b> Single wavelength Multi wavelength Concentration Standard curve Wavelength scanning Kinetics Absorbance ratio	<b>Life Science Laboratory:</b> Nucleic Acid UV quantification T <sub>m</sub> calculation Protein UV quantification Protein colorimetry; BSA, Bradford, Lowry and Biuret
<b>Digital Output</b>	USB flash drive, PC via PVC software, Optional Bluetooth
<b>Data Export</b>	USB flash drive: .tsv, native PVC format PC via PVC: .csv, .emf, .xlsx, .xls, .rtf, .tsv, native PVC format
<b>Method Storage</b>	90 with PIN number protection
<b>Graphical Display</b>	Colour touch screen, zoom and track
<b>Sample ID</b>	Yes
<b>Languages</b>	English, German, French, Spanish, Italian, Japanese, Chinese
<b>Dimensions</b>	260 × 390 × 100 mm
<b>Weight</b>	3.00 kg

## ORDERING INFORMATION

Part Number	Description
80-3007-57	WPA Biowave 3+ CT
80-3007-58	WPA Biowave 3+ CT with Printer
80-3007-59	WPA Biowave 3+ CT with Bluetooth
80-3007-60	WPA Biowave 3+ CT with Printer and Bluetooth

For further information, please contact your local Biochrom Sales Representative or Distribution Partner.

## CONTACT BIOCHROM

**Biochrom Ltd**  
Unit 7, 3970 Cambridge Research Park  
Beach Drive, Waterbeach  
Cambridge, CB25 9PE  
United Kingdom  
Telephone: +44 (0) 1223 423723  
Fax: +44 (0) 1223 420 164

**Biochrom US**  
84 October Hill Road  
Holliston, MA 01746  
USA  
Telephone: 508-893-3999  
Toll Free: 800-272-2775  
Fax: 508-893-3189

Sales: sales@biochrom-us.com and enquiries@biochrom.co.uk • Technical Support: support@hbiosci.com • Web: www.biochrom.co.uk