

Biowave 3+ Colour Touch

WPA Spectrophotometers



Are you confident that your spectrophotometry equipment is optimal for your diverse research needs?

The Biowave 3+ Colour Touch (CT) 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.

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
 - T_m calculation
- 2 year warranty



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	
General Laboratory: Single wavelength Multi wavelength Concentration Standard curve Wavelength scanning Kinetics Absorbance ratio	Life Science Laboratory: Nucleic Acid UV quantification T _m calculation Protein UV quantification Protein colorimetry; BSA, Bradford, Lowry and Biuret
Digital Output	USB flash drive, PC via PVC software, Optional Bluetooth
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	Colour touch screen, zoom and track
Sample ID	Yes
Languages	English, German, French, Spanish, Italian, Japanese, Chinese
Dimensions	260 × 390 × 100 mm
Weight	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.

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