

Спектрофотометр Lightwave 3+ СТ

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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Россия +7(495)268-04-70

Казахстан +7(727)345-47-04

Беларусь +(375)257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47

эл.почта: bmq@nt-rt.ru || сайт: <https://biochrom.nt-rt.ru/>



Lightwave 3+ CT Spectrophotometer

The Lightwave 3+ Color Touch is truly an all-encompassing UV/Visible Spectrophotometer.

Originally designed for water analysis, the Lightwave spectrophotometers are now used in laboratories around the world for life sciences and chemical analysis as well as rigorous industrial and environmental quality control and monitoring applications.

POWERFUL AND FLEXIBLE

The instrument includes a large wide view display and in-built software providing flash scan, fixed wavelength measurements, kinetics and concentration with comprehensive graphics capability plus the ability to store up to 90 methods. On peak confirmation is also a feature of the flexible software. Concentration may be measured using either a factor, single point

calibration, multiple standard curves or alternatively there is a multi-wavelength mode where equations using absorbance values may be used for ratio calculations. Samples may be measured in 10, 20 or 40mm pathlength cells (glass, quartz or disposable).

Features:

- UV/Vis Spectrophotometer covering 190-1100 nm
- 3 nm bandwidth
- 5-inch color touch screen with zoom and track function
- Accepts 10, 20 and 40mm pathlength cuvettes
- Intuitive, icon-driven interface
- Removable sample port for ease of cleaning
- Compact, and excellent value for money compared to conventional systems
- Wavelength scanning, kinetics and concentration functionality with full graphics display

Flexible Data Viewing and Export Options

The 5-inch color touch screen allows users to distinguish multiple samples by color on graph overlays and the zoom and track functions gives the ability to focus on areas of interest.

All instruments have a USB port to download result data in CSV file format to a flash drive. Alternatively, results may be printed to an optional integrated graphical printer for a permanent record or exported via a USB cable connection to a suitable PC running Print Via Computer (PVC) software for advanced reporting and data storage or the optional wireless accessory.

TECHNICAL SPECIFICATIONS

SPECIFICATION	DATA
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 Source	Xenon flash lamp
Detector	Twin CMOS array
Photometric Range	-0.300 to 2.500 A, 0.3 to 100 %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
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	Color touch screen, zoom and track function
Sample ID	Yes
Languages	English, German, French, Spanish, Italian, Japanese, Chinese

TECHNICAL SPECIFICATIONS

SPECIFICATION	DATA
Dimensions	260 × 390 × 100 mm
Weight 3.00 kg	3.00 kg

^ Lightwave 3+ CT

ITEM #: 80-3007-67

∨ Lightwave 3+ CT with Printer

ITEM #: 80-3007-68

∨ Lightwave 3+ CT Wireless

ITEM #: 80-3007-69

∨ Lightwave 3+ CT Wireless with Printer

ITEM #: 80-3007-70



Lightwave 3+ Colour Touch

WPA Spectrophotometers

The Lightwave 3+ Colour Touch is truly an all-encompassing UV/Visible Spectrophotometer.

Originally designed for water analysis, the Lightwave spectrophotometers are now used in laboratories around the world for life sciences and chemical analysis as well as rigorous industrial and environmental quality control and monitoring applications.

Now with a colour touch screen control panel, this compact and robust instrument is perfect for the most demanding laboratories.

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
- 5 inch colour touch screen with zoom and track function
- Accepts up to 40 mm pathlength cuvette for sensitivity in analysis of dilute solutions
- 2 year warranty

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
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80-3007-69	WPA Lightwave 3+ CT Wireless
80-3007-70	WPA Lightwave 3+ CT Wireless with Printer

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