



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 |
|-------------------|---|
| 80-3007-67 | WPA Lightwave 3+ CT |
| 80-3007-68 | WPA Lightwave 3+ CT with Printer |
| 80-3007-69 | WPA Lightwave 3+ CT Wireless |
| 80-3007-70 | WPA Lightwave 3+ CT 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.