



Biochrom Ultrospec 35c Colorimeter

Compact, portable, flexible colorimeter

Intended Use

- Measures the absorbance/transmission of liquid samples in either a cuvette or test tube at fixed wavelengths to determine molecular concentration.
- Ideal for the basic molecular quantification and analysis in Life Science, Chemistry and Physics.
- Perfect in the lab or for field based work, in industry, environmental studies or remote locations where simple colorimetric testing is paramount.

Key Features

- **Flexible Analysis**
Measures samples in absorbance and % Transmission modes as well as having simple kinetics functionality.
- **Robust LED light source**
User-selectable wavelengths:
450, 500, 520, 540, 600 and 640 nm.
- **Touchscreen Display**
The instrument has a 4.3" color touchscreen for easy workflow.
- **Instrument Data Output**
Measurement data can be exported to a USB flash drive as comma-separated values (.csv).
- **Versatile and Portable**
The instrument has a small footprint allowing it to be operated as a handheld battery powered unit or connected to mains power on your benchtop. It is easy to clean and requires very minimal maintenance.

Technical Specifications

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| Part Number | 80-3008-00 |
| Wavelength Range | 450 to 640 nm |
| Light Source | LED |
| LED array wavelengths | 450 nm, 500 nm, 520 nm, 540 nm, 600 nm, 640 nm |
| Detector | Photo Diode |
| Display | 480 x 272-pixel resolution backlit LCD color display |
| Storage Conditions | -10° C to 70° C (14° F to 158° F) |
| Spectral Bandwidth | 40nm |
| Photometric Range | Absorbance 0.3 to 2.0A |
| Photometric Accuracy | < ± 0.05A 1A using neutral density filter |
| Photometric Repeatability | ± 0.02A at 1A |
| Operation Modes | Absorbance, Transmission, Kinetics |
| Sample Holder | Accepts: <ul style="list-style-type: none"> • 10mm x 10mm cuvettes • 16mm test tubes Can accept 10-12mm tubes with optional adapter |
| Data Connector: USB-A | Interface for memory device |
| Power Connector: USB-C | Input power at 5V, 2 Amp max |
| Power (via external charger) | USB charger specifications (included): 100-240V, 50/60Hz, 10W |
| Battery | Internal rechargeable Li-Ion battery |
| Compliance | CE & UKCA marked, US/CAN safety (ETL or equivalent) |
| Dimensions | 170mm W x 210 mm D x 50 mm H |
| Weight | 0.6 kg (1.3 lbs) |

Ordering Information

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| Ultraspec 35c Colorimeter <i>(Includes: Instrument, power supply, USB cable, 1 pack of x8 cuvettes, Quick Start Guide and QR code with link to User Manual)</i> | 80-3008-00 |
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Accessories

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|---|------------|
| User Replaceable Battery | 80-3007-99 |
| USB-C Cable | 80-3008-08 |
| Power Supply | 80-3008-09 |
| Pack of 100 disposable cells, 1ml min. volume | 80-2004-53 |
| Adapter set for 10 and 12 mm tubes | 80-3000-57 |



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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.