

# 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" colour 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

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

### Ordering Information

**Ultrospec 35c Colorimeter** 80-3008-00  
*(Includes: Instrument, power supply, USB cable, 1 pack of x8 cuvettes, Quick Start Guide and QR code with link to User Manual)*

#### Accessories

User Replaceable Battery	80-3007-99
USB-C Cable	80-3008-08
Power Supply	80-3008-09
Pack of 100 disposable cells, 1 ml min. volume	80-2004-53
Pack of 100 disposable cells, 0.5 ml min. volume	80-2084-11
Adapter set for 10 and 12 mm tubes	80-3000-57

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