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

Part Number	80-3008-11
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 0.0 to 2.5A
Photometric Accuracy	< ± 0.05A 1A using neutral density filter
Photometric Repeatability	± 0.02A at 1A
Operation Modes	Absorbance, Transmission, Kinetics
Sample Holder	Accepts: • 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

Ultrospec 35c Colorimeter *(Includes: Instrument, power supply, USB cable, 1 pack of x8 cuvettes, Quick Start Guide and QR code with link to User Manual)*	80-3008-11

Accessories

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

To contact us from the USA or Canada:
E-mail: **support@biochrom-us.com**
Phone: +1 508 893 8999

To contact us from any other country:
E-mail: **support@biochrom.co.uk**
Phone: +44 (0)1223 427890

Biochrom Ltd.
Unit 7, Enterprise Zone 3970
Cambridge Research Park,
Cambridge, CB25 9PE, UK

Sales:
support@biochrom.co.uk

Technical Support:
support@biochrom.co.uk

Web: www.biochrom.co.uk

United Kingdom:
Tel: +44 (0) 1223 423 7233

Americas:
Tel: +1 800 272 2775

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