



Biochrom Ultrospec 30 Cell Density Meter

Compact, portable, easy-to-use cell density meter

Applications

Suitable for:

- Performing microbial growth phase analysis in bacterial and yeast cell suspensions
- Bacterial transformation
- Plasmid amplification
- Antibiotic studies
- Quality control
- Contaminant detection
- Precision fermentation
- Cell growth assays

Key Features

- **Creation of Standard Curves**
Generate and save cell and condition specific standard curves using absorbance values or McFarland standards to use for future quantification.
- **Compact and Portable**
Hand-held instrument with rechargeable battery for easy movement around the lab
- **Touchscreen Display**
Intuitive menu arrangement easily navigated using the colour touchscreen.
- **Instrument Data Output**
Measurement data can be exported to a USB flash drive as common-separated value (.csv).

Technical Specifications

Part Number	80-3008-01
Wavelength Range	600 nm
Light Source	LED
Detector	Photo Diode
Display	4.3-inch, 480 x 272-pixel resolution backlit LCD colour 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 om 10mm cuvette
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 D x 50 mm H
Weight	0.6 kg (1.3 lbs)

Ordering Information

Ultraspec 30 Cell Density Meter <i>(Includes: Instrument, power supply, USB cable, 1 pack of x8 cuvettes, Quick Start Guide and QR code with link to User Manual)</i>	80-3008-01
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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



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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.