



Biochrom Ultraspec 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: • 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