

Technical Specification of Biomate 160

Spectral Bandwidth: 2 nm

Detector: Dual Silicon Photodiodes

Light Source: Xenon flash lamp with 3-Year warranty

Wavelength Range: 190 - 1100nm

Wavelength Accuracy: ± 0.5 nm

Wavelength Repeatability : $< \pm 0.2$ nm

Wavelength Scan Speed: Up to 1600 nm/min

Wavelength Slew Speed: 10,000 nm/min or better

Data Interval for Scanning: 0.2nm, 0.5nm, 1nm, 2nm, 5nm

Photometric Linear Range: -2A to +3.5A

Accuracy: $\pm 0.002A$ at 0.5, $\pm 0.004A$ at 1.0A, $\pm 0.008A$ at 2.0A

Drift: $\leq 0.00020A$ at 0A at 260 and 500 nm, $\leq 0.00030A$ at 1A at 260 and 500 nm, $\leq 0.00040A$ at 2A at 260 and 500 nm

Display: 7 Inch colour touch screen, Tilttable, high definition 800 x 1280 pixels

Keypad: Touch screen

Sample Compartment:

Accessible from top, front or side

- Able to accommodate cells up to 100 mm path length
- Available accessory for test-tubes up to 25 mm diameter and 150 mm height
- Removable, washable sample compartment liner with magnetic placement and hold-down

Connectivity:

.Single USB-A supports flash memory devices for method and data storage

- Duplex USB-A supports connection to a Windows computer running optional remote control software, keyboard, mouse
- Export data to network or PC via Ethernet or Wi-Fi
- Print via USB, Ethernet or Wi-Fi

Warranty: 2 Years

A pair of Quartz cuvette with 10 mm path length and 3.5 ml volume

Include Life science enabled Software:

- Includes Life Science Application Software package
- Software includes pre-programmed life science methods such as Nucleic Acid A260; Protein A280 and A205; Protein Colorimetric assays and OD600
- Extend your capabilities with microcell holder or Peltier thermo steted cell holder or cell changer option