

VIKING101 – Laboratory Colorimeter



Download Catalogue



Direct reading of concentration



7 Inch color touch screen



Built in standard curve



Easy operation



High-capacity storage function up to 5000 results

- ARM9 main control chip makes operations easy, response quick and big storage up to 500M.
- Data storage: store 5000 pieces of data, and support and upload data to the computer through Mini USB
- Data printing: It can be connected to a portable printer (optional) to print current data and historical data;
- Adopt special and high precision light filter system to ensure the instruments' stability and accuracy
- Built in standard curve and up to 10 programs can be customized
- Cold light source, narrowband interference, with long lifetime up to 100,000 hours.
- Mini USB port, IP protection: IP67

Type	VIKING101
Optical System	Single Beam, Optical grating 1200 lines/mm
Wavelength Range nm	420nm 520nm, 560nm, 610nm
Monochromator	Czerny-Turner
Spectral Bandwidth nm	15nm
Wavelength Accuracy	±1nm
Wavelength Repeatability	±0.005 Abs (0-1Abs)
Photometric Accuracy	±0.003 Abs
Photometric linearity	±0.002 Abs (0-1 Abs)
Photometric Repeatability	≤0,20%T (0-100%T), 0.001A(0-0.5A), 0.002A(0.5-1A)
Photometric measuring range	0-2 Abs,
Stray Light	≤0,05%T (measured with NaNO ₂ at 360nm)
Stability	≤±0,0003A/h at 500nm
Wavelength Setting	Auto
Work Mode	T, A, C,
Light Source	Tungsten
Display	Graphical with backlight 240x160 resolution
Detector	Photomultiplier tube - PMT
Working conditions	10-40°C Max 90% RHP
Output	Mini USB
Power	AC220V ± 22V 50Hz ± 1Hz 120W
Instrument Size	590*475*250mm
Packing Size	880*690*520mm
Gross weight / Net Weight (kg)	18/21
Standard Configuration	Colorimeter with Euro plug power cable, 4 pcs glass cuvette, Instruction manual,
Option	Built in printer, COLO professional software, Wi-Fi Lamp Control, Smart Phone