Genova Plus

UV/Visible Spectrophotometer

The new Genova Plus is a UV/visible spectrophotometer dedicated to life science analysis. This spectrophotometer uses icon driven software and has an improved navigation system for easy and intuitive usability.

The Genova Plus has methods for the measurement of nucleic acid concentration and purity, protein assays and cell density. This versatile spectrophotometer can also be used as a standard spectrophotometer.

KEY FEATURES

- 5nm spectral bandwidth
- Absorbance range -0.3 to 2.5A
- Pre-programmed for DNA/RNA analysis
- Purity scan across entire wavelength range
- Pre-programmed methods for protein analysis
- Standard spectrophotometer functions
- Press to read xenon lamp
- Icon driven software
- Small footprint
- Method and result saving to USB memory stick
- 3 year warranty including xenon lamp

Technical Specification

Wavelength	
Range	198 to 1000nm
Resolution	1nm
Accuracy	±2nm
Repeatability	±0.5nm
Spectral Bandwidth	5nm
Photometrics	
Absorbance Range	-0.300 to 2.500A
Transmittance Range	0 to 199.9%T
Photometric Accuracy	±1%T, ±0.01A at 1.000 Absorbance
Concentration/Quantitation	
Range	0 to 9999
Concentration Calibration	Blank with a single standard or factor
Quantitation Calibration	Blank with up to 12 standards
Quantitation Curve Fit	Quadratic, quadratic through zero, linear, linear through zero, interpolate
Multi-wavelength	
Data Points	Up to 4 wavelengths
Calculations	Ratio, difference, sum, product
Kinetics	
Measurement Time	2 to 9999 seconds
Display	Graphical & calculated concentration value
Analysis	Concentration, rate of change, initial and final absorbance or % transmittance
Spectrum/Purity Scan	
Scan Data Interval	1, 2 or 5nm
Analysis	Absorbance or % transmittance and peaks and valleys
Other	
Method Storage	312 (including pre-programmed methods)
Results Storage	Limited by USB memory stick
GLP Support	Real time clock & calendar, user ID
Light Source	Xenon lamp
Removable Media	USB (supplied)
Outputs	USB, Analogue, RS232, Integral printer
Size (WxDxH)	275 X 400 X 220mm
Weight	6kg