

Genova

Life Science Analyzer



- Photometric Mode with Selectable Wavelength
- On-board RNA/DNA Analytical Software
- On-board Protein Analytical Software
- Method Storage
- Scanning Capabilities
- RS232 Port
- Security Lock
- Versatile Sampling System
- Small Footprint

3 Year Warranty

The Genova is an efficient, high performance grating spectrophotometer designed for the busy molecular biologist. With RNA/DNA, oligonucleotide, protein, and O.D. analysis software on board, results can be obtained quickly and accurately. In addition, the Genova is extremely versatile offering method storage, photometric operation, a selectable wavelength range of 198 to 1000nm, and scanning capabilities. The Genova can measure down to 50 μ l of a sample and as little as 20 μ l with the micro capillary accessory.

This lightweight, compact analyzer can fit easily anywhere in the lab, while the 5-button keypad and the large LCD allow for effortless interfacing. Upon start up, the Genova self-calibrates at three wavelengths, assuring optimal operation. With a single touch of the print key, results and G.L.P. compliant information can be printed or downloaded to a PC through the RS232 port.

The Genova features a xenon lamp, which has the advantage of offering a broad spectral source with high-energy light throughout the wavelength range. The xenon lamp flashes at a high rate, extending lamp life and lowering operation costs. This innovative tool is covered under a 3-year warranty and is priced to fit any budget.

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The onboard software has the wavelengths, calculations and factors necessary for analysis, including the following:

- Protein: Bradford, Lowry, Biuret, Bicinchonic, and Direct UV
- 260/280 ratio and 260/230 ratio with correction by subtraction at a third wavelength and multiplication by factors
- ssDNA, dsDNA, RNA, Oligonucleotides and OD 600

Also, a variable ratio mode allows the user to change the wavelengths and factors allowing for fine adjustment and greater accuracy.

Ordering Information

Order Code Description

636 031	Genova 117V with 10 x 10 cell holder
636 001	Genova 240V with 10 x 10 cell holder
636 041	Capillary micro sample holder
035 132	Pack 100 (300µl) UV plastic cuvettes
035 134	Pack 100 micro capillaries
632 031	Sipper System (117V)
632 001	Sipper System (240V)
634 001	4 Position cell holder
021 041	DC/AC power converter
630 020	Test tube block (13mm diameter)
630 021	Test tube block (25mm diameter)
630 022	Test tube block (16mm diameter)
630 005	20-100mm cell holder
035 079	100 x 10mm glass cell
035 087	50 x 10mm glass cell
035 029	40 x 10mm glass cell
035 086	20 x 10mm glass cell
035 027	10 x 10mm glass cell
035 124	50 µl quartz cuvette
035 125	500 µl quartz cuvette
630 028	Dust cover
035 088	Calibration set

Specifications

Wavelength Range	198-1000nm
Wavelength Resolution	1nm
Wavelength Accuracy	+/- 2nm
Bandwidth	5nm
Photometric mode	Selectable wavelength 198-1000nm
Absorbance	
Range	-0.300 to 1.999A
Resolution	0.001A
Transmittance	
Range	0 to 199.9%
Resolution	0.1%
Photometric Accuracy	+/- 1%
Concentration	
Range	-3 to 1999 units
Resolution	1, 0.1, 0.01, 0.001
Units	blank, mM, ppm, mg/l, g/l, M, %, µg/l, µg/ml, mg/ml, ng/ml
Adjustable Correction Wavelength	Yes 198-1000nm
Adjustable Factors	Yes 0 to 999.9, 1000 to 9999
Self Calibration	Yes
Protein Method Memory	Yes
Photometric Noise	<0.001A @ 0A at 400nm
Light Source	Xenon
Display	LCD
Outputs	RS232/Analog
Dimensions (inches)	10.3(w) x 7.6(d) x 4.5(h)
Weight	13 lbs

