

# GENOVA

Spectrophotometers  
by Jenway

## Life Science Analyzer



- Photometric Mode with Selectable Wavelength
- In built RNA/DNA Analytical Software
- In built Protein Analytical Software
- Method Storage
- Scanning Capability for Protein Purity
- 25 Pin RS232 Port
- DataWay PC Software
- Security Lock
- Optional Versatile Sampling System
- Low Cost
- Small Footprint, Space Saving Design
- Easy Programming, Menu Driven Operations
- 3 years parts and labor warranty (Xenon lamp 1 year)
- Xenon Flash Lamp Extends Lamp Life and Reduces Maintenance Costs

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## Life Science Analyzer

The **Genova** is an efficient, high performance grating UV-VIS (198-1000nm) 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 capability for protein purity.

The on board software has in permanent memory, the wavelengths, calculations and factors necessary for analysis including the following:

- Protein: Bradford, Lowry, Biuret, Bicinchoninic, & 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
- Simple kinetic assays with DataWay PC Software

Also, a variable ratio mode allows the user to change the wavelengths and factors allowing for fine adjustment and greater accuracy. This lightweight, compact analyzer can fit easily anywhere in the lab, while the 5-button keypad and the large LCD allow for effortless interfacing. The **Genova** self-calibrates at 3 wavelengths, assuring optimal operation every time it is turned on. With a single touch of the print key, results and G.L.P. compliant information can be transferred to a PC with the new DataWay PC Software. All graphs and data tables can be printed from the PC. Expanded print options enable graphs and/or data to be printed on a full or split page in a range of orientations. 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 laboratory instrument is covered under a 3-year warranty, and is priced to fit any laboratory budget. NOTE: The Xenon lamp is warranted for 12 months.

## 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

## Ordering Information

Order	Code	Description
636 001		Genova 240V with 10 x 10 cell holder
636 031		Genova 117V with 10 x 10 cell holder
630 005		20-100mm cell holder
630 028		Dust cover
632 001		Sipper System (240V)
632 031		Sipper System (117V)
543 501		Printer (for 120V model)
634 001		4 Position cell holder
636 024		Genova cell holder adaptor
648 001		Water heated single cell block
035 088		Calibration set (VIS)
035 091		Calibration Set (UV-Visible)
033 290		Storage case
050 501		DataWay PC Software

### Cuvette Ordering Information

Part #	Qty.	Footprint mm	UV/Vis	Material	Volume	Wavelength Range nm	Path Length	Height mm
035-027	1	10x10	Visible	Glass	3ml-4.5ml	300-1000	10	15
035-029	1	40x10	Visible	Glass	12-18ml	300-1000	40	15
035-079	1	100x10	Visible	Glass	35ml	334-2500	100	15
035-086	1	20x10	Visible	Glass	7ml	334-2500	20	15
035-087	1	50x10	Visible	Glass	17.5ml	334-2500	50	15
035-124	1	10x10	UV-Vis	Quartz	50ul	250-2500	10	15
035-125	1	10x10	UV-Vis	Quartz	500ul	250-2500	10	15
035-132	100	10x10	UV-Vis	Plastic	750ul-1ml	200-900	10	15

Ihr Fachhändler:

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