

TECHNE

Genova

Jenway Spectrophotometers by Techne...
Efficient, high performance life science analyzer



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 capabilities for protein purity.



The built-in 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

Also, a variable ratio mode allows the user to change the wavelengths and factors allowing for fine adjustment and multiple methods. 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** life science analyzer self-calibrates at 3 wavelengths, assuring the 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 printed or sent to a PC, through the RS232 port.

The **Genova** features a xenon lamp, which has the advantage of offering a broad spectral source with a 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.

Technical Specification

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

* The Xenon lamp is warranted for 12 months.

Ordering Information

Model	Description
636 031	Genova 117V with 10 x 10 cell holder
636 631	Genova Spectrophotometer 117V with printer and cable
636 001	Genova 240V with 10 x 10 cell holder
636 601	Genova Spectrophotometer 240V with printer and cable
7062828	Spectrophotometer Printer with Cable
035 132	Pack 100 (1.5 - 3.0ml) UV plastic cuvettes (200-900nm)
050 501	DataWay PC software and cable
7062810	Pack 100 ultra-micro (70 ul) UV/Visible plastic cuvettes (220-900nm)
7062812	Pack 100 ultra-micro (70 ul) Dnase & Rnase free UV/Visible plastic cuvettes (220-900nm)
035 138	100ul masked quartz cuvette (200-2500nm)
632 031	Sipper System (117V)
632 001	Sipper System (240V)
634 001	4 Position cell holder
630 005	20-100mm cell holder
035 124	50 µl masked quartz cuvette (200-2500nm)
035 125	500 µl non-masked quartz cuvette (200-2500nm)
630 028	Dust cover
035 088	Calibration set