





Double Beam Spectrophotometer "UV-2300 II"

BAND WIDTH 1.5 nm. TOTAL STABILITY DOUBLE BEAM OPTICS. **AUTOMATIC WAVELENGTH CORRECTION CALIBRATION.** USB PORT FOR DATA STORAGE. WIDE RANGE OF ACCESSORIES.



APPLICATIONS

Research, chemistry, biotechnology, general spectroscopy analysis applications, environmental applications.

FEATURES

Monochromator high resolution optics that eliminate any optical aberrations, monochromator "Seya-Namioka", manufacturer of exclusive beam technologies and diffraction gratings in Japan.

Bandwidth 1.5 nm in accordance with European pharmacopoeia recommendations. (the relation between the maximum and minimum absorbence in Toluene and Hexane at 0.02% (V/V) should be more than 1.5T).

Several modes of operation including spectral scanning, time base scanning, multi wavelength determinations, peak and trough detection, etc.

Fast spectra scan displayed on a screen covering the whole spectral range: quick scan 3600 nm/minute, range 190 to 1100 nm

Validation function for GLP/GMP:

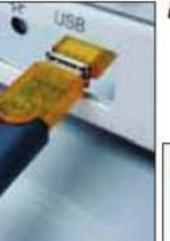
This function maintains and assures the optimum working parameters of the instrument. Parameter such as the wavelength precision and noise are monitored.

Memory facilities of analytical results:

The analytical parameters and results can be stored in the "flash" memory, connected by the USB. The stored information can be stored as text and can be transferred to a computer for reporting using MS WORD/EXCELL.

A DNA/RNA function is fitted to quantify the ratio at 260/280 nm.

Controllable from a computer with application specific optional software: "UV-Analyst Spectrum", (see accessories).



USB port. "Flash" memory not included.





SPARES

Tungsten halogen lamp. Part No. 5110021

Deuterium lamp (UV). Part No. 5110022

SPECIFICATIONS

Optical system: Double beam optics. Wavelength range 190 nm to 1100 nm.

Band pass: 1.5 nm

-3.000 to 3.000 A or 0 to 300% T. ABS range:

Stray light: less than 0.05% (220 nm Nal, 340 nm NaNO₂).

10, 100, 200, 400, 800, 1200, 2400 and 3600 nm/minute. Scan speed:

Wavelength accuracy: ±0.3 nm.

Photometric accuracy: ± 0.002 A from 0 to 0.5 A.

± 0.004 A from 0.5 to 1.0 A.

Baseline stability: 0.0003A/hr (500 nm after 2 hours of use.).

Noise level: 0.0003 A (at 500 nm).

Deuterium D2 and Halogen lamps. Light source: Built in screen: LCD back light of 165 x 122 mm.

RS232 and parallel port. Connections:

MODEL	Part No.	Height / Width / Depth cm			Voltage	Weight Kg
UV-2300 II	5110020	26	50	59	110-220V / 50-60Hz	29

ACCESSORIES

Part No. 5110023 Flow cell 10 mm path length.

Constant temperature single cell holder for 10mm flow cell. Part No. 5110024

Part No. 5110025 Micro cell holder for 10mm (50 µl) cell. Part No. 5110026 Long path length cell holder for 100mm cells. Part No. 5110027 5 Position cell changer for 10mm cuvettes.

Part No. 5110028 Constant temperature cell holder for 10mm cuvettes

Part No. 5110029 6 place constant temperature cell changer for 10mm cuvettes. Part No. 5110033 Software UV-Analyst Spectrum. Simple and logical, enhanced

software for multiple applications and results and manipulation of

data, calculation such as DNA/RNA ratios.

