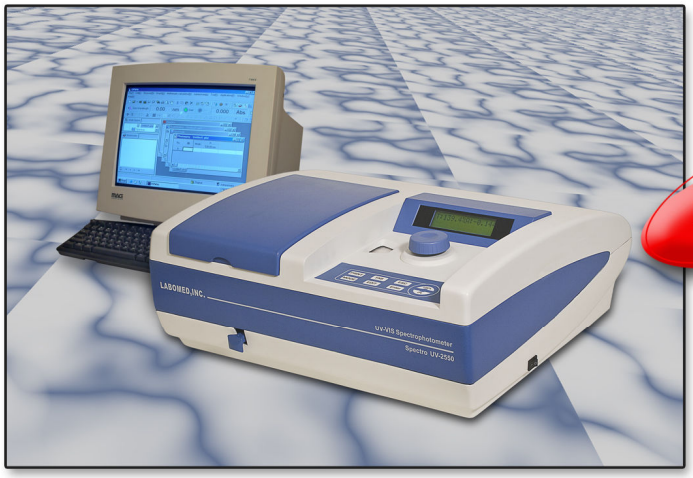
Spectro UV-2550

UV-VIS Spectrophotometer with 4 Cell Holder

Model UV-2550



Spectro UV-2550 is a traditional analytical device used in conventional laboratories. This spectrophotometer delivers enhanced user-friendliness, precision and accuracy resulting in time and cost savings, as well as unprecedented confidence in test results. Spectro UV-2550 works in the ultraviolet and visible range of 190-1100 nm and has a fixed bandwidth of 1.0 nm. Spectro UV-2550 offers high performance and reliability, which can be used in various applications. Spectro UV-2550 can be used extensively for qualitative and quantitative analysis in such fields as clinical analysis, petro-chemistry laboratories, chemistry and biochemistry laboratories, as well as in quality control departments, i.e. environmental control, water management, food processing, and agriculture.

Spectro UV-2550 is equipped with the RS-232C interface and port. Spectro UV-2550 can be linked to a computer, which is compatible with Windows Platforms, and a printer to display the photometric and spectral data on the PC monitor.
UV-VIS Spectro UV-2550 utilizes a new optical system design and is microcomputer controlled. This instrument has soft keys for ease of use.
Spectro UV-2550 has excellent baseline stability and high resolution.

Spectro UV-2550 consists of a light source (Tungsten Halogen and Deuterium lamp) which switches mode automatically, monochromator, Silicon photodiode, logarithmic amplifier, digital volt meter, D.C. stabilizer, and microprocessor. This new generation instrument is equipped with a microprocessor to automatically adjust 100 % T and Zero ABS, Factor, and Concentration. Spectro UV-VIS RS operates with a single beam system and 1200 line grating mirror. Spectro UV-2550 has a four digit display for automatic calculation and direct readout of (T)ransmittance, (A)bsorbption, and (C)oncentration.
One of the most important features of the new Spectro UV-2550 is that the light will change automatically from Visible to UV as needed.
Labomed, Inc. is certified by ISO-9001-2000, has CE Conformity and is Licensed by the Public Health License.

Features

- *This instrument is the realization of a long history of specialized research, design, and manufacture. It is simple in construction and high in performance. The multiple cell holder is one of the unique features of the Spectro UV-2550. It is able to test, record and print four sample results immediately by built in interface RS 232C. The Spectro may save the reagents and samples by using the optional semi-micro cuvette of 1.5 ml or less to reduce waste. This unit was constructed with high reliability, durability, ease of operation, and maintenance in mind.*
- *Microprocessor control, 16x2 LCD display.*
- *Auto zero and auto 100% T adjustment provided*
- *Calibration curve can be set up by either measuring or entering up to 10 standards or entering K and B factors directly via the keyboard.*
- *Data can be printed on an optional desktop printer and can be downloaded to a PC through RS-232.*
- *Up to 10 calibration curves can be stored and edited for user's convenience.*
- *Auto-wavelength control (optional).*
- *PC Control provided for more accurate and flexible measurement requirements (optional).*
- *Power source automatic for both 110V. and 220V., 50/60Hz.*

Accesories

4 square optical cells 10mm.
2 square quartz cells 10 mm.
1 multiple cell holder.
2 filters with for accuracy test.
Dust cover.
Instruction manual.
1 power cable.
OPTIONAL: Software and connection cable
OPTIONAL: Constant Temperature
OPTIONAL: Flow Through System
OPTIONAL: Large Cell Holder up to 100mm.
OPTIONAL: Large Cell 20-30-40-50 and 100 mm.

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Technical Specifications

Wavelenght Accuracy:	< +2.0nm	Display	16x2 LCD
Wavelength Reproducibility:	< 1nm	Detector	Silicon Photodiode
Monochromator:	Single-beam, C-T type, grating 1200L/mm	Light Source	Tungsten halogen lamp, D2 lamp
Photometric Accuracy:	< +0.5%T	Power Requirement	220/110 V + 10% 50/60 HZ (Automatic)
Photometric Reproducibility:	<0.3%T	Power Consumption	120W
Stray Light:	<0.1%T (Nal at 220nm, NaNO2 at 340nm)	Dimensions	530 x 410 x 210 mm
Spectral Bandwidth:	4nm.	Net Weight	16Kg.
0%T Stability:	<0.2%T (30min)		
100%T Stability:	0.001A/30 min (at 500nm,after warming up)		
Operation Mode:	T, A, C, E		
Photometric Range:	-0.3 –3A		

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