

Product Name :
Naugra Lab Double Beam UV-VIS Spectrophotometer

Product Code :
NLAB-LABORATORYEM13001



Description :

Naugra Lab Double Beam UV-VIS Spectrophotometer

Technical Specification :

Double Beam

Spectrophotometer is a solid state microprocessor based instrument designed for quick and accurate spectrophotometric analysis of any concentration.

It operates at a wavelength range of 190 nm to 1100 nm.

The use of diffraction grating in the monochromator produces a linear spectrum.

The grating having very high resolution of 1200 lines/mm ensures a narrow bandwidth.

The instrument is equipped with 5 Inches 320 x 240 dots graphical LCD which makes the results easy to read.

User can see the test curves on the graphical LCD screen.

The system has soft touch numeric keys with complete numeric key that provides a convenient interface for entering numeric values.

The instrument output is available in terms of % Transmission (%T), Absorbance (Abs.), & Concentration (Conc.).

The instrument is suitable for clinical lab applications, pharmaceutical and biochemical, as well as routing applications such as quantitative analysis, kinetics, wavelength scan, multi-wavelength and DNA/Protein analysis.

The instrument has sample storage memory and printer output port for printing of data with any dot matrix printer.

The PC can be connected using the USB Interface.

Provision for 8 position auto cell changer with 10 mm path-length cuvette is provided.

The instrument uses the latest microprocessor technology and advanced engineering techniques so as to give enhanced accuracy and reproducibility.

Features

Double Beam
Optics

Large 5 Inch
Graphical Display

Auto Wavelength
Setting

On-Screen Cuve
Display

Tungsten/Deuterium
Lamp can be turned ON/OFF individually to Extend Lifetime

Application
Software provides complete control of the Instrument from a Computer through the built-in USB Port

Basic, Wavelength
Scan, Multi-Wavelength, Quantitative, DNA/ Protein modes

Pre-Aligned
design makes it convenient to change Lamps

Large Sample
Compartment can accommodate 5 - 100 mm path-length cuvettes with optional holders.

8-Position Auto
Cell Changer of 10 mm path-length provided

Specifications

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| Modes Wavelength Scan, Multi-Wavelength, Kinetics, Quantitative, DNA/Protein | |
| Wavelength Range nm | |

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| <p>Spectral Bandwidth</p> | |
| <p>Optical System, Grating 1200 lines/mm</p> | |
| <p>Wavelength Accuracy</p> | |
| <p>Wavelength Repeatability</p> | |
| <p>Scanning Speed, LOW, MAX. 3000 nm/min</p> | |
| <p>Photometric Accuracy ± 0.002 A/h @ 1A</p> | |
| <p>Photometric Range T, -0.3 to 3A, 0 - 9999 Conc.</p> | |

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| Stray Light 0.05%T @ 220, 340 nm | |
| Stability 0.001 A/h @ 500 nm | |
| Display 5 inches Graphic LCD (320 x 240 dots) | |
| Baseline Fluorescence (200 - 1000 nm) | |
| Sample Compartment with automatic cell changer 10 mm path-length, (50 & 100 mm path-length optional at extra cost) | |
| Light Source Deuterium lamps (Pre-Aligned) | |
| Output Port for PC connectivity, Parallel Port for Dot | |

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| Matrix Printer | |
| Power V \pm 10% AC, 50 Hz | |
| Dimensions (190 B 455) x 250 mm (Approx.) Box: 650 x 535 x 335 mm (Approx.) | |
| Weight: 17.5 Kg (Approx.) Box: 20 Kg (Approx.) | |
| Accessories Cuvettes - A set of 2, Glass Cuvettes - A set of 4 Mains Lead, Operation Manual and Dust Cover | |

Naugralabequipments

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