ISO 14001

ISO 9001

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LABINDIA
ANALYTICAL
WHERE COMMITMENT IS CULTURE

UV/ VIS Spectrophotometer

UV3000

- The UV3000 series of UV-Visible Spectrophotometers have been designed using “state of the art technology”.
- The instruments are professionally manufactured to a very high specification, with excellent quality control.
- The instruments have been designed using expertise gathered over many years in the field of UV-Visible Spectrophotometry.
- This gives the UV3000 series of instruments high performance characteristics, flexibility and user friendliness.

The UV3000 series is a new generation of Double Beam Spectrophotometer

UV-Visible Spectrophotometer is a well-accepted, documented technique with many applications. The technique is extensively used for the analysis of foods, drugs, agricultural products and is widely used in the medical care, public health, environmental protection, life sciences industries and many other organic and biochemical applications.
As a major manufacturer of analytical instrumentation, Labindia has recently introduced the UV3000 series of UV-Visible Spectrophotometers.
This range of instruments, which offer excellent performance, high quality and are competitively priced. The UV3000 range of UV-Visible Spectrophotometers can fully meet the requirements of the chemist. The UV3000 UV-Visible series is innovative in terms of instrument application, mechanical and optical design, electronic control and software whilst retaining features that are well established and accepted through the industry. The UV3000 series of UV-Visible Spectrophotometers are able to carry out the following analysis: photometric measurement, spectrum scans, kinetic measurements, quantitative determination and DNA/Protein analysis. When interfaced to a PC the software offers many more user-friendly applications such as access to data base, three-dimensional spectrum analysis, GLP Laboratory protocol, fast analysis of pesticide residues and other applications within the environmental protection code of analysis.

Features:

- **Accurate analysis**
  Holographic grating greatly reducing stray light of the instrument and making the analysis more accurate.
- **Powerful function**
  The main unit of the spectrophotometer can analyse for photometric measurement, quantitative measurement, spectrum scan, DNA/Protein analysis and can print data. When connected to a computer the Spec UV software adds many additional functions, such as 3D spectrum analysis, GLP laboratory protocol. It can be applied in fast pesticide remain detection, environment protection, inspection and quarantine and other fields.
- **Convenient operation**
  High degree of automation, the operator only needs to press keys twice when measuring ordinary samples.
- **Easily upgraded**
  Many optional accessories enhance the flexibility and the measurement range of the instrument.
- **Easy routine maintenance**
  The simple mechanical structure and modular electrical design make the routine maintenance easy.
- **Original technology**
  The deuterium and tungsten lamps can be easily replaced and are supplied pre-aligned. A motorised automatic 8-cell holder is supplied as standard which is particularly useful for the determination of pesticides.

Tungsten lamp and deuterium lamp

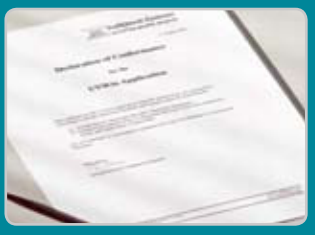
LCD 320 × 240

Specifications

Optics	Double Beam with Automatic 8 Cell Charger
Wavelength Range	190-1100 nm
Spectral Band Width	0.5, 1, 2, 4 nm
Wavelength Display	0.01 nm
Wavelength Setting	0.05 nm
Wavelength Accuracy	± 0.1 nm @656.0 nm D2, ± 0.3 nm (190-1100)
Wavelength Repeatability	0.1 nm
Stray Light	0.03% @340 & 220 nm, 1% @198 nm for KCl
Photometric Range	-3 to 3 A
Photometric Accuracy	±0.002 A at 0.5, ±0.004 at 1 A
Photometric Reproducibility	0.001 A (0.5 A), 0.002 A (1A)
Photometric Drift	0.0003 Absorbance at 340nm
Baseline Stability	±0.0002 Abs
Baseline Flatness	±0.001 Abs
Scan Speed	Slow, Medium & Fast (User Selectable)
Slew Speed	10,000 nm/min
Power Requirement	230+/- 10V 50Hz AC
Light Source	Tungsten- Halogen & Deuterium
	It can work stand alone as well as PC with Software. (Software is supplied with the Instrument)

Optional Accessories:

- PS181-2 Sipper Pump Accessory (Pump,Tubing, Cassette, Front Panel, Flow Cell)
- CH188-1 Position 10mm Constant Temperature Cell Changer (For use with PTC-2)
- PTC-2 Peltier Module



UVWIN

PS181-2

CH181-1

PTC-2

LS181-1

ST188-1

DIS-001

UP16-1

LABINDIA ANALYTICAL
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07 2022
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