OPTOSKY Spectroscopy Solutions

Datasheet

Dual Band UV-Vis Spectrophotometer UV3200

Features

- Super stability
- Automatic six-joint cell: 6 samples can be placed at one time
- Dual monochromator design
- Low stray light
- ultra low noise
- High stability
- Stylish appearance
- Easy-to-use analysis software

Application

- Scientific Research institute
- Life Science：Biology
- Chemical analysis : Pharma & Biopahrma
- Agriculture and Food Safety
- Environmental Science
- Water Quality Analysis:Water body & Water Stress
- Material Science ： Textile industry

Description

The UV-Vis Spectrophotometer UV3200 developed by Optosky is a Scientific Research grade spectrophotometer with wide application and stable performance. It adopts a proportional detection dual-beam system, which enables the instrument to have higher stability and extremely low stray light; it automatically eliminates errors caused by changes in the light source and sample, making the measurement results closer to the true value.

UV3200 UV-Vis Spectroscopy technology adopts a unique wavelength control system to achieve higher wavelength accuracy; precise bandwidth to make test data more accurate; high-performance photoelectric converter to make the instrument more sensitive; equipped with ultra-low stray light dual monochromator system, Achieve 8Abs measurement; choose a light source with guaranteed quality to ensure the stability and reliability of the light source.

The UV3200 software is designed in Chinese, simple and beautiful, easy to operate, and has functions such as spectral scanning, photometric measurement, time scanning, kinetic measurement, data transmission, saving, and printing.

UV3200 also has a large sample chamber that can accommodate large accessories and integrating sphere accessories for spectral and diffuse reflectance testing. The rich accessories can be freely expanded to meet various application requirements.



Product data information is current as of publication data. Products conform to specifications per the terms of Optosky Standard warranty.

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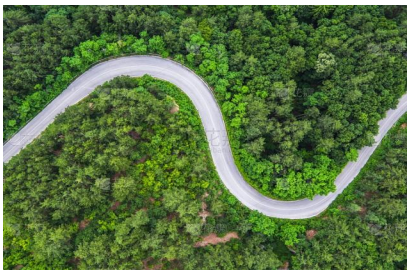
1. Parameter

Table 1 UU3200 Performance Parameters

Model	UV3200
Wavelength Range	185-900nm
Beam	double beam
Sample Cell Channel	6 channels, automatic switching
Light Source	Deuterium lamp, halogen lamp
Detector	photomultiplier tube
Metering type	Absorbance (Abs), Transmittance (%), Reflectance, Energy (E)
Wavelength accuracy	±0.3nm
Wavelength Repeatability	±0.05nm
Resolution	0.1nm
Spectral Bandwidth	0.1, 0.2, 0.5, 1, 2, 5nm
Stray Light	0.00005% or less (220nm, NaI)
Metering Range	Absorbance: -8～8Abs
Photometric Accuracy	±0.002Abs (0.5Abs), ±0.003Abs (1Abs), ±0.006Abs (2Abs), ±0.3%T
Photometric Reproducibility	±0.001Abs (0.5Abs), ±0.001Abs (1Abs), ±0.003Abs (2Abs), ±0.1%T
Baseline Straightness	±0.0004Abs (200-860nm) light source after one hour
Baseline Stability	One hour after the light source is lit below 0.0003Abs/h (700nm)
Noise Level	0.00005Abs
Working Temperature	15-35℃
Working Humidity	30%～80%
Dimension	850mm x 400mmx 240mm

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2. Application



Environmental Science



Scientific Research



Life Science



Agriculture & Forest



Animal Husbandry& Fishery



Metrology Calibration



Manufacturing



Administrative Agencies



Water Conservancy



Petrochemical

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