

SPECTRO[™] UV 3000 PMT



Specifications

Model

Optical SystemWavelength RangeSpectral Bandwidth (variable)Wavelength AccuracyWavelength ReproducibilityWavelength ReproducibilityWavelength RepeatibilityPhotometric AccuracyPhotometric RepeatabilityPhotometric ReproducibilityStray LightBaseline FlatenessStabilityDetectorLight SourcePowerDimensionsWeightPhotometric RangePhotometric RangeDimensing SpeedScaning SpeedTansmittance, Reflectance

SPECTRO[™] UV 3000 PMT

Double beam quartz coated optics 190-900nm,Czerny-Turner mounting,1200 lines/mm 0.1 to 5.0nm (Holographic grating) ±0.2nm (0.1nm if required) 0.01nm +0 15nm 0.01- 0.05 nm ±0.0015 Abs (0.5Abs) ±0.003 Abs (1 Abs) ±0.0005 Abs (0 to 0.5 Abs) ±0.0005 Abs (0 to 1 Abs) ±0.001 Abs (0.5Abs) ±0.001 Abs (1 Abs) Absorbance, Transmittance, Reflectance, Energy, Concentration <0.0025%T (Nal, 220nm) +0.0003Abs (200-850 nm) 0.0003A/h (at 500nm, after warming up) photomultiplier tungsten halogen lamp and deuterium lamp (Xenon flash lamp) AC: 220V/50Hz, 400W 670 x 470 x 210 mm

45kg

Abs:-8 to +8,%T;0 to 400%

0.00001 Abs

1.5 to 4500 nm/min

0.0 - 999.9%

up to 100 sets of standard sample

USB/Bi-directional RS232C

Features

Double beam (sealed optics) fully automated scanning system. PC control, rich analytical software.

Wavelength Scan :

Scanning sample spectra in any range within 190-900nm. Three scanning speed; Fast, Middle and Slow selectable, with min. sampling interval of 0.04nm. Data processing function of derivative spectra and smoothing, peak picking, spectrum expansion and superposition and other arithmetic calculation.

auto position adjustment built - in in our system for lamp sources.

Fixed wavelength measurement : :

10 wavelengths can be set at the same time Arithmetic

calculation between wavelengtha can be done.

Quantitation :

Standard factor method, standard contrast method :

2-wavelength method, and 3 - Wavelength method etc.

Kinetic Measuremrnt:

Wavelengths and sampling interval selectable, activity,

calculation available.

Wavelength Slew Rate is Variable upto 12000nm/min

Drift: 0.0003 Abs/h

Program Methods: Instument possess pre-program methods for soil/water quality Analysis and facility to program new methods



The kinetic mode may be used for

time course scanning or reaction rate calculations. Abs vs, Time graphs are

displayed on the screen in real time.

Waiting time measurament time and

Post run manipulation includes

re scaling, curve tracking and

selection of the part of the curve required for the rate calculation.

intervals may be entered.

UV SPECTRA [™] Control Software

5.

The Analytical windows based PC application software UV/Vis analyst takes the best features of the stand alone version plus more powerful data processing. expanded data collection and storage capability. It comes standard with Analytical PC models and is optional to stand alone models.

The PC application software offers:

- 1. Photometric Mode
- Quantitative tast (standard curve) 2
- 3. Wavelength Scan
- Kinetics

Multi-Wavelength 6

DNA/Protein

4

System Utility 7.



Use up to 20 standards to establish standard curve. Four methods for fitting a curve: 1. Linear fit 2. Linear through zero 3. Square fit 4. Cubic fit

Automatically record peaks and valleys.

can simultaneously store as many as

3. Smoothing, combination, zooming,

desired. Post run manipulation and

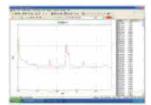
processing includes:

overlap.

1. Re-Scaling axes, curve 2. 1st to 4th derivative

The quantity of channels is unlimited. You

Quantiative tast (standard curve)



wavelength scan

Optional Accessories



4-Cell Holder For 10mm Swu.Cuvette



8 - Position Auto Cell Changer



4-Cell Holder For 50mm Swu.Cuvette



Solid Sample Holder

(single Cell)





10mm Water jacketed 4 Cell Holder

Square Cuvettes Glass 10mm, 20mm, 30mm, 50mm, 100mm, Square Cuvettes Quarts 10mm, 20mm, 30mm, 50mm, 100mm

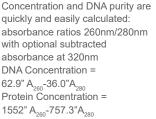
2



Micro Cell Quartz 100ul, 200ul, 500ul







Other wavelengths and factors may be entered.

> Up to 20 wavelengths can be setected and multiple samples can be measured. (Auto cell changer is required to run multiple samples automatically)

KINETICS (ABS VS. TIME)

multiplying by the enterd factor.

Rate is calculated using a linear regression algorithm before

Multi-Wavelength

DNA / PROTEIN

Upgradation

DR (Diffusion Reflectance) for measurement of soild sample





Micro Cell Holder

Seif Masking Cont, Flow Through G.cell 5mm, 10mm, 20mm, 30mm,



Test Tube Holder

Halogen Lamp 6V10w 12v20w



12V20W HALOGEN LAWP

6V10W, 12V20W

Constant remperature

Sipper System



Constant remperature

System







Sipper System Thermal Printer

Deuterium Lamp



Cylindrical







Color Spectro CS 3600

High performance-price ratio among similar international products;

• CS 3600 integrates multiple innovative characteristics, and extends the boundary of on-site quality control during production:







- Allows quick comparison between tow color samples. and shows clear results in numbers or in graphs.
- It can be applied to laboratories. factories and on-site operations, and can achieve the best color management across all application fields' guality control;
- Allows medium and small companies to obtain high performance color management system with relatively low price;
- The software contains all necessary color equations, standard light sources, and a large number of standards for specific industries and applications;
- Operation system supports both English and Chinese Interfaces, and CHN Spec offers to design the interface in other languages based on the needs of our customers;

Professional design and powerful instrument functions

 Large data storage space: can store up to 100 sets of standard samples. with up to 200 measurement records for each standard sample;



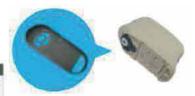
 Professional horizontal design, and it does not have any moving parts. which avoids the shaking of the instrument during measurement process. This makes the measurement more accurate;

Specifications

- - PC software for easy measurement data management;

 Pre-locating panel design for easy instrument calibration;

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- Can measure both SCI and SCE at the same time.
- Model CS-3600 D/8 (diffused light, 8" reception, SCE/SCI) illumination/observation system Photoetectric diode array Sensor Integrating sphece dimeter 40mm 400nm - 700nm Wavelength range Wavelength interval 10nm Half bandwidth <=14nm Range of reflectance 0-175%, resolution 0.1% Light source Composite LEDs Measuring time About 1.5 seconds Measuring caliber 8mm Repeatability The standard deviation within △E* ab 0.08, the standard deviation within 0.2% Inter instrument agreement Within △E*ab0.4 / standard color boards English (optional language of your choice) Languages Standard observer 2' and 10' A, C, D50, D65, F2, F6, F7, F8, F10, F11, F12 (can select two light sources for display at the same time) Observation light source Displayed contents Spectral data, spectral chart civomatic values chromatic abefration value, pass / fait coor simblation L' a' b', L"C"h, ∆E'ab (CIE 1976) ∆Ech ∆E' 94(CIE1994)∆E00/CIE2000), CMC (1.1) CMC (2.1) Yxy, Xyz, WI (ASTM E 313/CIE) color space / standards YI (ASTM E313/ ASTM D1925), ISQ bnghtness (iso 2470), Destiny status A/T, CIE00, WI/Tint 100 x 200 (100 sets of standard samples, up to 200 measurement records under each standard sample) Data storage Port USB Power source Detechable lithium-ion battery pack, DC adapter Operation temperature and humidity range 5 to 40°C, relative humidity 80% or less (at 35°C) with no condensation Storage temperature and humidity range 0 to 40°C, relative humidity 80% or less (at 35°C) with no condensation 2.8-inch TFT color screen Display Accessories Black and white calibration box, pre-locating panel Optional accessories Mini-printer UV flourenscent Without UV 3

>>> Regulatory compliances



bbb Corporate Social Responsibility



Analytical Foundation is a nonprofit organizat (NGO) found for the purpose of:

1.Research & Innovation Scientist's awards / QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYT-ICAL FOUNDATION is committed to identify such personallities for their contributions across various field of Science and Technoligy and awarding them yearly. To participate for award, send us your details of research / testing / publication at Info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXIFY human minds, souls and boby by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Comps etc.

>>> Reach us @





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