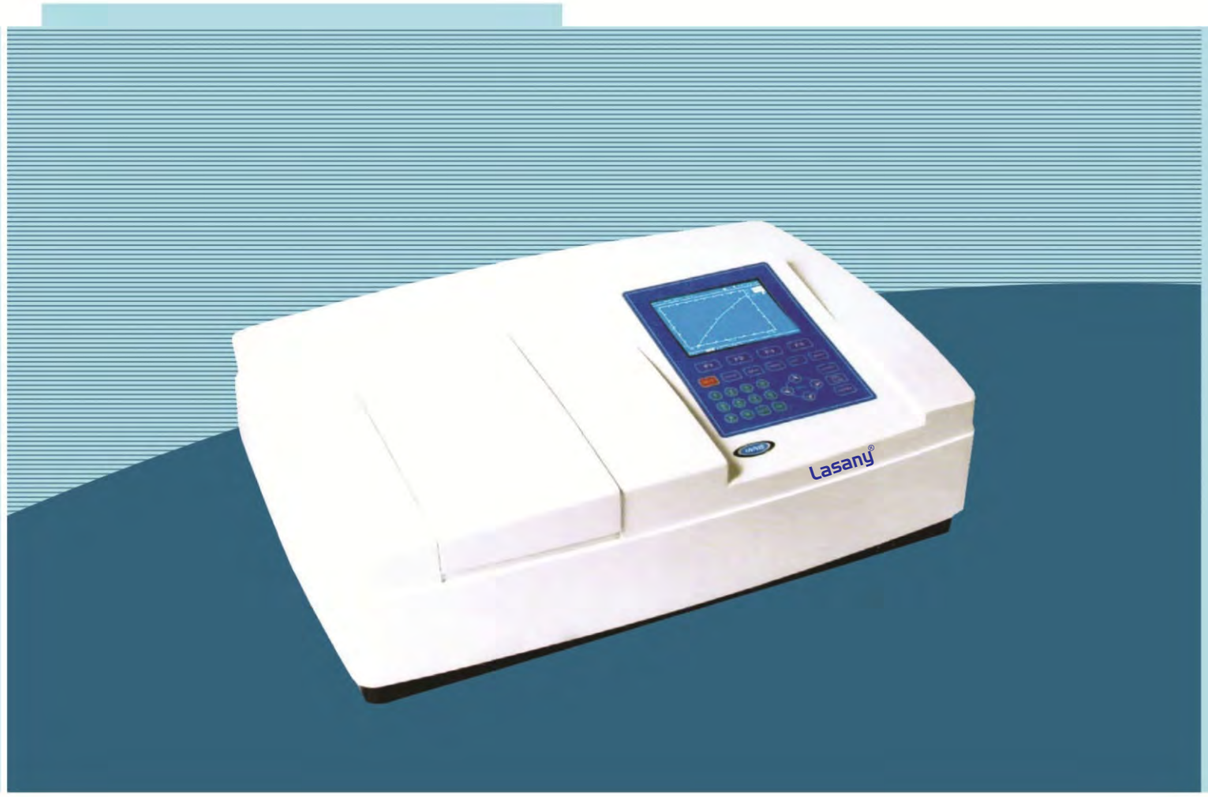
Lasany®

LI - 2802

Double Beam Microprocessor
UV-VIS Spectrophotometer LI-2802
Exclusive Model (Eight Cell Holder)
(Original / premium with Japanese Technology)



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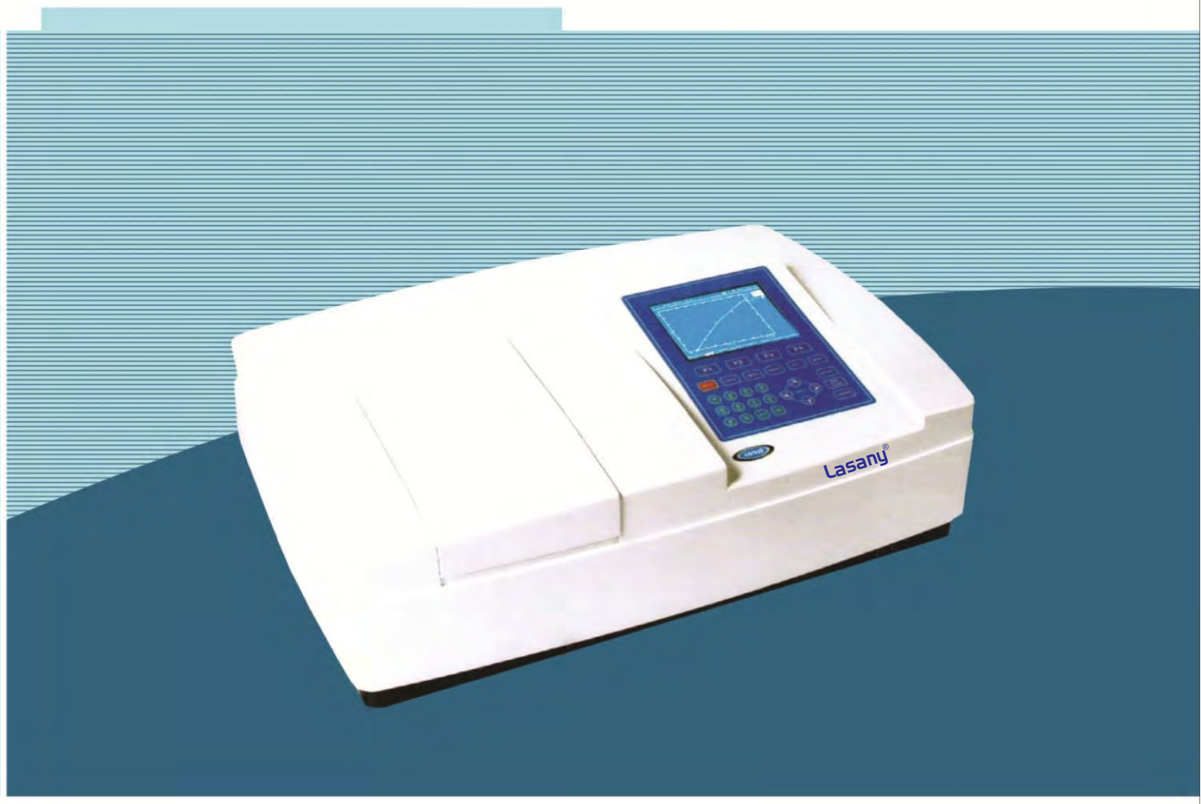

Applications

- Medicine/Pharmaceutical Industry
- Environment Monitoring
- Commodity Inspection
- Food inspection
- Agricultural Chemistry
- Teaching in colleges & Universities
- Metallurgy
- Geology
- Machine Manufacturing
- Petrochemical Industries
- Water and Waste Water Labs
- Food and beverages Labs

Perfection in
Laboratory Science

CE ISO 9001:2015
Certified Company

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DOUBLE BEAM UV-VIS Spectrophotometer with more accuracy and flexible requirements. The two detectors are used to measure sample and reference respectively and simultaneously for optimizing measurement accuracy. It has wide wavelength range satisfying requirement of various fields, such as biochemical research and industry, pharmaceuticals analysis and production, education, environment protection, food industry etc.

Display (Graphic LCD 320 x 240 Dots)

Soft touch keypad

Big Sample Room

Model 2802 with 8 cell cuvettes holder

TECHNICAL SPECIFICATIONS

Optical System	: Double beam (1200 lines/mm Grating)
Wavelength Range	: 190-1100nm
Mode	: Basic/Quantitative/Wavelength Scan/ DNA Protein Test/Kinetics
Scanning Speed	: Fast/Medium/Low
Band Width	: 1 nm
Wavelength Accuracy	: ± 0.3 nm
Wavelength Repeatability	: 0.2 nm
Photometric Accuracy	: ± 0.3 % T
Photometric Repeatability	: 0.2 % T
Photometric Display Range	: 0-200 % T, -0.3-3.0 A, 0-9999 C
Stability	: 0.001 A/h @ 500nm
Baseline Flatness	: ± 0.001 A
Noise	: ± 0.001 A
Stray Light	: < 0.05 % T @ 220nm, 360nm
Data Output Port	: USB
Printer Port	: Parallel Port
Display	: Graphic LCD (320*240 Dots)
Lamps	: Deuterium Lamp & : Tungsten Halogen Lamp
Detector	: Silicon Photodiodes
Packing Dimension	: 860x660x465mm (LxWxH)
Net Weight	: 26kg

SALIENT FEATURES

- Wide Wavelength range, satisfying requirements of various fields.
- Fully automated design, realizing the simplest measurement & satisfying the requirement of pharmacopoeia
- Maximum of 9 Wavelength & 8 samples can be measured at one time.
- Automatic change-over between T lamp & D2 lamp
- Optimized optics and large scale integrated circuits design, light source and receiver from world famous measurement methods all add up to high performance and reliability.
- Rich measurement methods: wavelength scan, time scan, multi-wavelength determination, multi-order derivative determination, double-wavelength method and triple-wavelength methods etc, meet difference measurement requirement
- Automatic 10 mm 8-cell holder.
- Data Output can be obtained via a printer port and a USB interface.
- Parameters and data can be saved for user's convenience.
- PC controller measurement can be achieved for more accurate and flexible requirement

STANDARD CONFIGURATION

Glass Cells	: 4 No.
Quartz Cells	: 2 Nos.
Instrument Cover	: 1 No.
Software Cover	: 1 No.
Software CD	: 1 No.
USB Cable	: 1 No.
Operational Manual	: 1 No.
Software Manual	: 1 No.
Software Key	: 1 No.

Perfection in Laboratory Science

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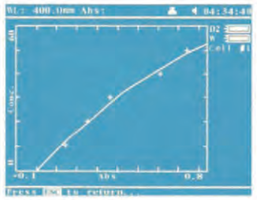
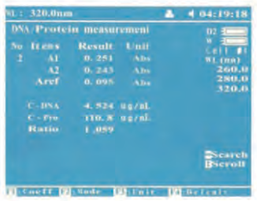
Basic Mode

To measure the Absorbance and tranmittance



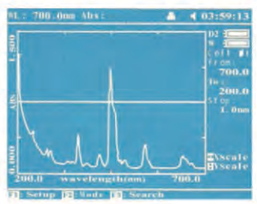
Quantitative

1. Coefficient Method
2. Standard Curve Up to 10 Standard sample may be used to establish a curve. Four methods for fitting a curve through the calibration points : Linear fit, Linear fit through zero, Square fit and cubic fit.



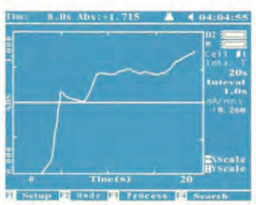
DNA/Protein Test

Concentration and DNA purity are quickly and easily calculated: Absorbance ratios 260 nm / 280 nm with optional subtracted absorbance at 320 nm. DNA concentration = 62.9xA260-36.0 X A280 Protein concentration = 1552xA260-757.3xA 280



Wavelength Scan

1. The wavelength scan intervals are 0.1,0.2,0.5,1,2,5 nm
2. High Medium and low scan speed are available. They very from 100 to 3600 nm/min
3. Wavelength are scanned from high to low so that the instrument waits at high WL. and it minimizes the degradation of UV sensitive samples.



Kinetics

This mode may be used for time course scanning or reaction rate calculations. Abs vs time graphs is displayed on the screen in real time Wait time and measurement time up to 12 hours may be entered with time interval of 0.5,1,2,5,10,30 seconds and one min. Post-run manipulation includes re-scalling, curve tracking and selection of the part of the curve required for rate calculation. Rate is calculated using a linear regression algorithm before multiplying be the entered factor.

Lasany International

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*Design & Specification are subject to change without any prior notice
*OEM option available

ISO 9001:2015 Certified Company