Lasany®

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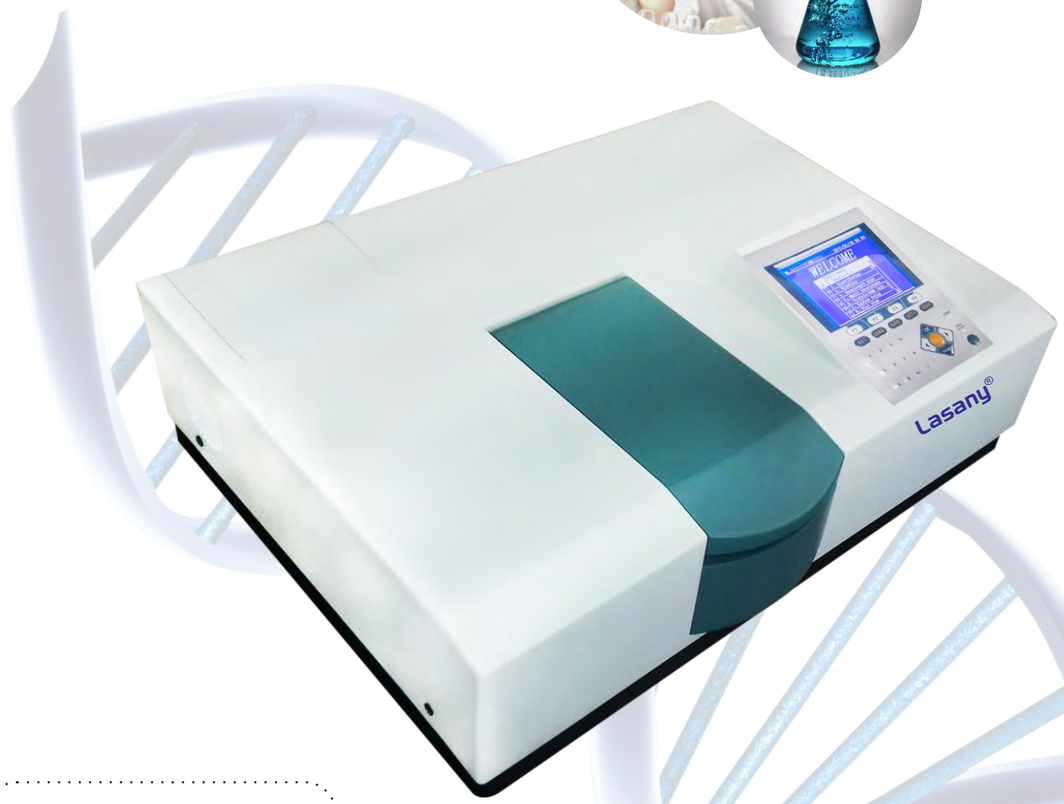
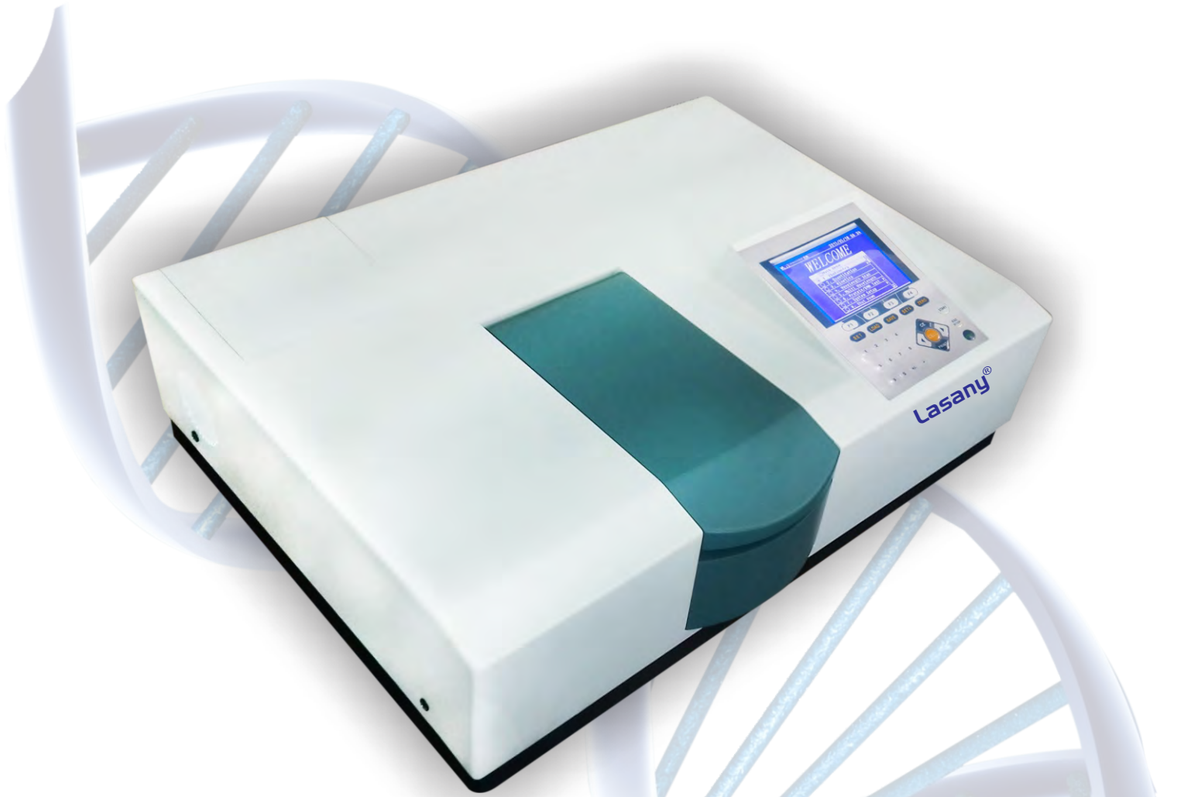
Double Beam Microprocessor UV-VIS Spectrophotometer LI-2800 (Variable Bandwidth) (Two Cell Holder)

(Original / Premium with Japanese Technology)





Applications

* 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

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Perfection in Laboratory Science

CE ISO 9001:2015 Certified Company

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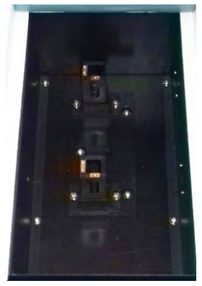
TECHNICAL SPECIFICATION

Optical System	Double Beam, Grating 1200 lines/mm
Wavelength Range	190 nm - 1100nm
Spectral Bandwidth	0.5/1/2/4/5 nm
Wavelength Accuracy	≤ ± 0.1nm(656.1nm D2); ≤ ±0.3 nm (full wavelength range)
Wavelength Repeatability	±0.1nm
Photometric Accuracy	±0.3%T(0~100%T)
Photometric Range	0-200%T , -0.3-3.0A , 0-9999C (0-9999F)
Stray light	≤0.05%-0.02%T @ 360nm,220nm
Stability	<=±0.0004
Baseline Flatness	±0.001A
Noise	0.0003 A
Scanning Speed	Fast, Mid, Slow
Wavelength Setting	Auto
Light Source	Imported Deuterium &Tungsten lamp
Display	320*240 LCD
Photometric Mode	T,A,C,E
Detector	Imported Silicon Photodiode
Output	USB port & Parallel port (Printer)
Power	AC 220V/50Hz or AC 110V/60Hz
Dimension	590 x 475 x 250mm
Net Weight	20kg
Shipping Size	770*630*340mm
Gross Weight	26kg

Soft Touch Keypad

Display



Big Sample Room

STANDARD CONFIGURATION

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

FEATURES:

1. The real double beam metering system, with advanced circuit measurement and control system, make the instrument with high reliability and low noise.
2. Powerful functions like Photometric measurement, Quantitative measurement, Kinetics, Spectrum scan, DNA\Protein test, multi-wavelength test, etc
3. Plug type deuterium lamp and tungsten lamp transfer lamps without optics debugging.
4. Large room for samples can hold cuvettes of various specifications.
5. 2-cell holder.

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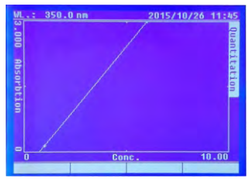
PRODUCT DESCRIPTION

spectrophotometer is designed to meet high requirement for precision measurement in the research and production of organic chemistry, biochemistry, medical testing, food testing, environmental protection, water testing industry, etc. The latest ARM system and long optical system ensure high accuracy and good stability of the instrument. They are the best choice of high quality spectrophotometer.

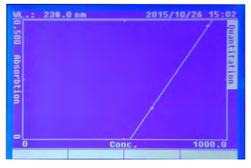
Basic Mode

To measure the Absorbance and tranmittance



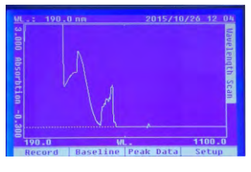
Quantitative

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.**



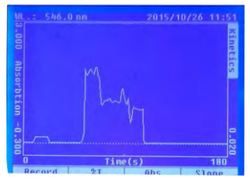
DNA/Protein Test

Concentration and DNA purity are quickly and easily calculated: Absorbance rations 260 nm / 280 nm with optional subtracted absorbance at 320 nm. DNA concentration = 62.9XA260-36.0XA280 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 vary 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.

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