

# Lab Instruments



**We think Laser**



**For Different  
Measurements**

## Split Beam UV VIS Spectrophotometer Split Beam VIS Spectrophotometer



### **Detailed introduction**

L6S / L6 UV-Vis spectrophotometer uses advanced ratio of split-beam optical system, low-noise circuit design, with excellent reliability and stability. Can meet the daily analysis to the scientific research and so on a wide range of application needs.

### **main feature:**

- 8-inch color touch LCD display, flexible and convenient operation.
- High-performance monochromator with low-stray light and high-performance "shiny holographic grating" with high-performance, high accuracy and reliability. It has excellent cost performance
- With a unique automatic adjustment "0" adjustment "100", automatic 8-hole sample rack.
- With full-band scanning (limited to S), sub-band scanning (limited to S models), dynamic time scanning, and GOTOλ, linear regression, concentration direct reading, peak and valley detection and other advanced features.

# Split Beam UV VIS Spectrophotometer

## Split Beam VIS Spectrophotometer

### main feature:

- Optional thermal plotter, can be data printing, spectral scanning (limited to 5) fixed wavelength scanning, linear regression curve drawing.
- With USB interface, combined with UVwin8 UV spectrum software, can directly interact with the PC, to strengthen the instrument detection data, scanning maps and other processing functions, to achieve the test file mass storage, but also for the user to provide a second development.
- advanced power protection measures, can remember the measured data, scan patterns, regression equations and instrument correction values, and to achieve a quick start to enter the test state.
- The instrument uses high-energy imported long life flange positioning deuterium lamp. When the instrument deuterium lamp must be replaced, just unload the two flange positioning screws, you can ensure that the light source in the best position, without cumbersome optical path adjustment.

### Optional:

- Thermal drawing printer
- UVwin8 UV spectrum software

### Other:

- Light source: 12V20W halogen lamp and long life deuterium lamp
- Power supply voltage: AC220V  $\pm$  22V 50Hz  $\pm$  1Hz
- Rated power: 200W

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### Technical indicators:

Metering mode: the proportion of dual-beam

Monochromator: Czerny - Turner

Focal length: 160mm

Grating: 1200 lines / mm

Detector: photocell

Spectral bandwidth: 2nm

Wavelength setting: Touch screen input

Wavelength range: 190 - 1100nm

Wavelength Accuracy:  $\pm 0.5\text{nm}$

Wavelength repeatability:  $\leq 0.2\text{nm}$

wavelength scanning speed: fast, medium and slow (limited to S models)

Light source switching wavelength: 340nm

Stray light:  $\leq 0.03\%$  (T) (measured at Nil in 220 nm) (measured at  $\text{NaNO}_2$  at 360 nm)

Photometric range: 0.0 ~ 200.0% T

-0.301 ~ 4.000A

to 9999C

Photometric accuracy:  $\pm 0.3\%$  T

$\pm 0.002\text{Abs}$  (0 - 0.5A)

$\pm 0.004\text{Abs}$  (0.5 - 1A)

Photometric repeatability:  $\leq 0.15\%$  T

0.001Abs (0 - 0.5A)

0.002Abs (0.5 - 1A)

Baseline flatness:  $\leq \pm 0.002\text{A}$  (200nm ~ 1090nm) (limited to S)

Noise: 0.15% T

Baseline drift:  $\pm 0.0009\text{Abs}$  / 0.5h (limited to S) (after 2h boot, 250nm and 500nm)

# About Us .....



Dipl. Ing. Burkhard Baier  
CEO

BATEC SERVICES PVT LTD is a Indo-German company, based in Mumbai, the headquarter of business in India.

We are mainly dealing with instruments based on laser technology and also with Lasers and Photonics.



Abhinav Paliwal  
Director Sales

Our customers are from Pharmacy, Cement Industry, Food and Chemical Industry.

Our Products are High Technology from selected principals, mainly from Germany.



Ajay Bhutani  
Director Technology

We can offer :

- Excellent products
- Excellant Service network
- Skilled people with many years of experience in the mentioned technologies.