

# 756S/759S



## **Brief Introduction:**

756S & 759S UV-Vis Spectrophotometer both are the single beam, automatic scanning UV – Vis Spectrophotometer products developed and made by our company. The instrument has the features like delicate structure, high-performance specification, long-life light source, various convenient functions and etc. They could make the qualitative and quantitative test in material research, pharmaceutical analysis, Biochemical and clinical examination, analysis of water quality control, food inspection and the other fields.

## **Main Features:**

**Long-life Light Source:** dramatically reduce the cost of light source replacement and the frequency of maintenance.

**Low Stray Light:** ensure the stray light lower than 0.05% (756S 0.1%) to meet clients' need when they want to test high absorbance sample.

**High Wavelength Accuracy:** Ensure the accuracy and long-term stability.

**Wide Wavelength Range:** meet the needs of the most spectrophotometric test.

**High-speed Scanning:** help user to capture the instantaneous spectrum change of sample and improve the work efficiency.

**Auto-matching Function of Cuvettes:** decrease the deviation occurred by the difference of cuvettes when process quantity measurement.

**High Photometric Accuracy:** ensure that the measurement of the optical light path to meet the design requirements, improve the process efficiency of the Assembly to achieve high precision photometry testing index.

Offline U disk storage make it easy for the user to manage data in the format like Excel and etc.

**USB ports:** User needn't set any parameter to enable online communication while the RS232 serial port has to set it.

**Various offline quantitative measurement function:** Electronic System use 32 bits ARM core processor system, equipped with 128\*64 big screen LCD, the offline quantitative measurement could do multi-wavelength test, Standard curve fitting, and measurement, standard coefficient equation input, save and load standard equation, data storage and printing, quantitative measurement of concentration.

**Powerful Software Function:** Software could achieve spectrum scanning, time scanning, dynamic scanning, quantitative measurement, multi-wavelength analysis and formula calculation, spectrum processing, find peak and valley, print data, DNA/RNA test, instrument calibration, performance verification and etc. to meet different needs in various analysis fields.

**Specification:**

Model	756S	759S
Light source	Deuterium Lamp (over 500 hours)	Hamamatzu Deuterium Lamp (over 2000 hours)
Wavelength Range	190nm~1100nm	
Wavelength Accuracy	±0.5nm	
Wavelength Repeatability	≤0.2nm	
Bandwidth	2nm	
Photometry Accuracy	±0.5%T	±0.3%T
Photometry Repeatability	≤0.2%T	≤0.15%T
Stray Light	≤0.1%T(220nm, NaI)	≤0.05%T(220nm, NaI)
Baseline Flatness	±0.002A	
Stability	≤0.0008A	
Noise	≤0.5%T(100%T), ≤0.2%T(0%T)	≤0.3%T(100%T), ≤0.1%T(0%T)
Photometry Range	0.0~200%(T), -0.3~4(A)	
Display System	128*64 LCD Display	
Functional Port	USB-A(U Disk), USB-B(PC), Serial Port(Printer)	
Instrument Dimension	370mm*440mm*220mm	
Weight	N.W.: 9KG; G.W.: 10KG	