

## SHUV-10 UV-Vis Detector

### Introduction

UV detector is a modern analytical and experimental instrument engaged in life science research, drug determination, chemical industry, food science and medical research.

### Advantages

1. It can select and control the wavelength, and the system has high reliability and stability, Wavelength correction upon startup.
2. Wide linear range, by adopting unique optical path design and multi-color filter and high-quality grating to achieve lower stray light, so as to ensure a good linear relationship when the absorbance of the sample reaches 2.5 AU.
3. Low noise. Through special circuit and structure design, it ensures extremely low noise, making the SHUV-10 UV-VIS detector obtain higher signal-to-noise ratio. The flow cell adopts Z-shaped design, and the flow cell is treated with constant temperature, so the noise and drift are greatly improved.



### Specifications

<b>Model</b>	<b>SHUV-10</b>
<b>Wavelength range</b>	<b>190-800nm</b>
<b>Light source</b>	<b>deuterium lamp, tungsten lamp</b>
<b>Spectral bandwidth</b>	<b>8 nm</b>
<b>Wavelength accuracy</b>	<b>±1nm</b>
<b>Wavelength accuracy</b>	<b>0.1nm</b>
<b>Noise</b>	<b>± 0.5 × 10<sup>-5</sup>AU(JJG) ±0.35 × 10<sup>-5</sup>au (ASTM)</b>
<b>Maximum sampling rate</b>	<b>100Hz</b>
<b>Flow cell withstand pressure</b>	<b>1200psi</b>
<b>Flow cell optical path</b>	<b>10mm</b>
<b>Flow cell volume</b>	<b>12μm</b>
<b>Minimum detection concentration</b>	<b>4 × 10<sup>-9</sup>g / ml (Naphthalene standard)</b>