

# DOUBLE BEAM XENON LAMP SPECTROPHOTOMETER IG-UV301S



**CONTACT US**

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## ABOUT THE COMPANY

iGeneLabservePvt.Ltd.is gaining recognition by offering resilient, innovative solutions in laboratory instrumentation across healthcare, genomics, drug discovery, biopharma, and food & beverage sectors. We strive to enhance lab efficacy and reduce challenges through advanced technologies and a diverse product portfolio tailored to our customers' needs.

## DESCRIPTION

The IG-UV301S is an advanced double-beam UV-Visible spectrophotometer, designed for precision and reliability in laboratory applications. Featuring the latest PID-controlled technology and a dual-detector system, it ensures accurate, stable, and high-resolution measurements across a wide spectral range. Ideal for routine analysis and research-grade applications.



## KEY FEATURES

- **High-Quality Flashing Xenon Lamp:** Instant start capability without preheating, ensuring fast and energy-efficient operation. **Comprehensive**
- **Measurement Modes:** Supports Photometric, Quantitative, Kinetics, Spectrum Multi-lab Scan, DNA/Protein Analysis, and wavelength Testing, ideal for versatile applications.
- **Large In-House Memory with USB Support:**
  - Internal storage for test data and working curves. USB port allows easy data export to Excel for further analysis and record-keeping.
- **Spacious and Flexible Sample Chamber:**
  - Compatible with 5–100 mm cuvettes of all types. Optional accessories available: An auto 8-cell holder, Peltier/sipper system, and 21 CFR compliant software (extra cost).
- **Auto Wavelength Setting:** Automatic adjustment ensures precision and reduces manual error. **On-**
- **Screen Kinetic Curve Display:** Real-time visualization of reaction kinetics for enhanced monitoring and interpretation.

## TECHINCAL SPECIFICATIONS

SPECIFICATIONS	IG- UV301S
<b>Optical System</b>	Double Beam, Grating 1200 lines/mm
<b>Wavelength Range</b>	190 nm-1100 nm
<b>Spectral Bandwidth</b>	1 nm
<b>Wavelength Accuracy</b>	±0.1 nm @656.1 nm, ±0.3 nm @all
<b>Wavelength Repeatability</b>	≤0.1 nm
<b>Photometric Accuracy</b>	0.2%T(0~100%T), ±0.002 A(0-0.5A), ±0.004 A (0.5-1A)
<b>Photometric Repeatability</b>	≤0.15%T(0-100%T), 0.001 A(0-0.5A), 0.002 A(0.5-1A)
<b>Photometric Range</b>	0-200%T, 0.3~3 A
<b>Stray Light</b>	≤0.03%T @220 nm, 360 nm
<b>Stability</b>	±0.0005 A/h @500 nm
<b>Baseline Flatness</b>	±0.001 A
<b>Work Mode</b>	Transmittance, Absorbance, Concentration and Energy
<b>Scanning Speed</b>	High - Medium - Low (Max. 3000 nm/min)
<b>Wavelength Setting</b>	Auto
<b>Display</b>	7-inch TFT Colour Screen
<b>Light Source</b>	Imported Xenon Lamp
<b>Detector</b>	Imported Silicon Photodiode
<b>Cuvette Holder</b>	10 mm single-hole cell holder
<b>Output</b>	USB drive, USB host, RS232
<b>Power</b>	AC 220V/50 Hz or AC 110V/60Hz
<b>Shipping Size</b>	810 x 660 x 390 mm (our shipping size can vary)
<b>Gross Weight</b>	27 kg
<b>Standard Accessories</b>	10 mm glass cuvette x 4, 10 mm quartz cuvette x 2, Power cord, User's Manual and PC software



## CONNECT WITH US



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