



TORONTECH

DOUBLE BEAM UV/VIS SPECTROPHOTOMETER TORONUTM-2601



Double Beam UV/VIS Spectrophotometer ToronUV™-2601 delivers precise and reliable measurements, meeting diverse application needs. It is widely used for qualitative and quantitative analysis in biochemical research, pharmaceuticals, education, environmental monitoring, food safety, clinical diagnostics, and public health.

APPLICATIONS

- **Biochemical Research** - Protein and nucleic acid quantification, enzyme kinetics, and molecular analysis.
- **Pharmaceutical Industry** - Drug quality control, formulation development, and compliance with pharmacopoeia standards.
- **Education and Academia** - Training and research across chemistry, biology, and life sciences.
- **Environmental Monitoring** - Water quality testing, pollutant detection, and chemical analysis.
- **Food Safety and Agriculture** - Additive detection, nutritional content analysis, and quality assurance.
- **Clinical Diagnostics & Public Health** - Routine testing, medical research, and diagnostic method development.

FEATURES

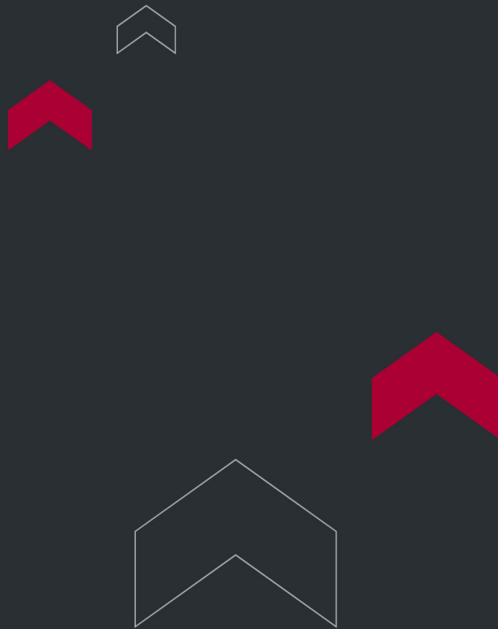
1. **Wide Wavelength Range** - Designed to meet the needs of various applications.
2. **Adjustable Spectral Bandwidth** - Offers four options (5nm, 4nm, 2nm, and 1nm) to align with customer requirements and pharmacopoeia standards.
3. **Fully Automated Operation** - Simplifies the measurement process.
4. **Advanced Optics & Electronics** - Features an optimized optical system and high-quality components from globally recognized manufacturers, ensuring top-tier performance and reliability.
5. **Versatile Measurement Modes** - Supports wavelength scan, time scan, multi-wavelength analysis, multi-order derivative analysis, and dual/triple-wavelength methods to accommodate diverse testing needs.

6. **Flexible Cell Holder Options** – Includes an automatic 10mm 8-cell holder, with the option to switch to a 5mm-50mm 4-posion cell holder.
7. **Data Output Convenience** – Equipped with a printer port for easy data transfer.
8. **Power Failure Protection** – Retains parameters and data for user convenience.
9. **PC Connectivity** – USB interface enables precise, software-controlled measurements.

TECHNICAL SPECIFICATIONS

Specification	Details
Wavelength Range	190-1100nm
Spectral Bandwidth	2nm (5nm, 4nm, 1nm optional)
Wavelength Accuracy	$\pm 0.3\text{nm}$
Wavelength Reproducibility	$\leq 0.15\text{nm}$
Photometric System	Double beam, auto scan, dual detectors
Photometric Accuracy	$\pm 0.3\%T$ (0~100%T), $\pm 0.002A$ (0~1A)
Photometric Reproducibility	$\leq 0.15\%T$
Working Mode	T, A, C, E
Photometric Range	-0.3-3.5A
Stray Light	$\leq 0.05\%T$ (NaI, 220nm, NaNO ₂ 340nm)
Baseline Flatness	$\pm 0.002A$
Stability	$\leq 0.001A/h$ (at 500nm, after warming up)
Noise	$\leq 0.1\% T$ (0% line)

Specification	Details
Display	6 inches high light blue LCD
Detector	Silicon photo-diode
Power	AC 220V/50Hz, 110V/60Hz, 180W
Dimensions	630x470x210mm
Weight	26kg



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