

## **Typical Specification Sheet**

## UV-2600i

**UV-VIS Spectrophotometer** 

The 0.00025%(340nm Typical values) stray light level is very low for a single monochromator model.

It is the standard double-beam model, which provides high cost-effectiveness.

The wavelength measurement range can be extended to include the near-infrared region by attaching an optional integrating sphere.



# Don't Miss Any Piece of the Puzzle

#### Photometric repeatability ±0.0002 Abs or less (0.5 Abs) ±0.0003 Abs or less (1 Abs) ±0.0004 Abs or less (2 Abs) ±0.1%T Baseline stability 0.00015 Abs/h or less (700 nm) 1 hour after light source is turned ON Baseline flatness Within ±0.00015 Abs (200~860 nm) 1 hour after light source is turned ON Noise level 0.000015 Abs or less (500 nm) Light source 50 W halogen lamp, deuterium lamp Light source auto position adjustment built in Monochromator Czerny-Turner mounting Lo-Ray-Ligh™ grade blazed holographic grating Use grating Single monochromator Detector Photomultiplier Sample compartment Internal dimensions: W 150 x D 260 x H 140 mm Distance between light beams: 100 mm Power requirements AC 100 to 240 V, 50/60 Hz, 170 VA Operating temperature/ 15°C to 35°C humidity 35 to 80% (no condensation, less than 70% above 30°C) Dimensions W 450 x D 600 x H 250 mm Weight 23 kg

Note: The specifications shown here represent the average performance of the UV-2600i. These specifications are typical values, not guaranteed values. The guaranteed specifications are listed in a separate publication.

### **Hardware Specifications**

| ltem                        | Specification   |
|-----------------------------|---|
| Wavelength range            | 185 to 900 nm<br>220 to 1,400 nm when the ISR-2600Plus Integrating<br>Sphere Attachment is used.                                |
| Spectral bandwidth          | 0.1, 0.2, 0.5, 1, 2, 5 nm<br>L2, L5 (Low stray-light mode)  |
| Wavelength setting          | 0.1 nm increments (1 nm increments when setting scanning range)   |
| Wavelength sampling pitch   | 0.01 nm   |
| Wavelength accuracy         | ±0.07 nm 656.1 nm D <sub>2</sub> , ±0.3 nm, All range   |
| Wavelength repeatability    | ±0.01 nm  |
| Wavelength scanning speed   | Wavelength transfer: Approx.14,000 nm/min<br>Wavelength scan rate: Approx.4,000 to 0.5 nm/min                                   |
| Lamp interchange wavelength | Auto switching synchronized with wavelength;<br>switching range selectable between 290 and 370 nm<br>(0.1 nm increments)        |
| Stray light                 | 0.002% or less (220 nm, Nal)<br>0.00025% or less (340 nm, 370 nm, NaNOz)<br>0.2% or less (198 nm, KCl)                          |
| Photometric system          | Double beam   |
| Photometric range           | -5 to 5 Abs (Display range ±10Abs, ±10 <sup>12</sup> %)   |
| Photometric accuracy        | ±0.0015 Abs (0.5 Abs)  ±0.002 Abs (1.0 Abs)  ±0.004 Abs (2.0 Abs)  ±0.3%T  Measured using NIST930/NIST1930 or equivalent filter |

| Time Course Mode       | Automatically print report after measurements.   |
|------------------------|--|
|                        | Measure at one wavelength or two wavelengths.  |
|                        | Pause and resume   |
|                        | Overlay time course waveforms.   |
|                        | Data processing (activity value or total change)                                       |
|                        | Conversion (smoothing, differentiation, etc.)  |
| Reports                | Freely specify report layouts.   |
|                        | Save report template files.  |
|                        | Automatically print report after measurements.   |
|                        | Print with single-click in data analysis window.                                       |
|                        | Insert graphs or data processing results.  |
|                        | • Insert metadata, such as measurement parameters or da summary.                       |
| Optional Products      | Automatic analysis application*  |
|                        | • UVProbe file viewer  |
| Configuration Settings | Set number of decimal places displayed.  |
|                        | Set format for displaying data.  |
|                        | System log management  |
|                        | Set regulation value for output folders.   |
| ER/ES Regulations*     | Manage data in a database.   |
|                        | Manage user privileges.  |
|                        | • Input reasons for changing data files and parameter files                            |
|                        | Data integrity support (report set function and analysis sequence management function) |

#### **UV Validation Software**

| Inspection Items      | JP, EP, USP     Various performance values indicated in JIS standards  |
|-----------------------|--|
| Inspection Conditions | Select inspection to perform. Select wavelength inspected or filter used. Set inspection pass/fail criteria. Save inspection conditions in a file. |
| Inspection Execution  | Inspections (measurements and calculations) performed<br>fully automatically (filter set manually)   |
| Inspection Results    | Print reports of inspection results.  Save file of inspection results.  Manage inspection results in a database.*                                  |

<sup>\*</sup> Requires separate purchase of optional software.



Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

## www.wolflabs.co.uk

Tel: 01759 301142

Fax: 01759 301143

sales@wolflabs.co.uk

Please contact us if this literature doesn't answer all your questions.