

Offerta

Destinazione merce

UNIVERSITA' DEGLI STUDI DI TRIESTE
 DIP. DI SCIENZE CHIM. E FARMACEUTICHE
 c.a. Dr. Paolo Pengo
 VIA LICIO GIORGIERI 1
 34147 TRIESTE TS

SHIMADZU ITALIA S.r.l. 20139 MILANO Via G. B. Cassinis 7

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Informazioni

Offerta n.	3200029846	del	06.09.2022
Ns.riferimento	Sig.a Maroni	Tel.	0256662422
Codice Cliente	1217408	PartIVACom	IT00211830328
Resa	DDP	Pagamento	B.B. 30 Giorni FM
Spedizione	via camion	Consegna	entro 60 gg d.r.o
Fine validità	06.11.2022		

Pos.	Codice e Descrizione	Quantità	Prezzo unit.	Prezzo totale
	Con la presente Vi trasmettiamo l'offerta richiestaci, grati per il Vostro interessamento.			
	Per informazioni riguardanti questa offerta, Vi preghiamo di contattare il Dr. Claudio Tomba al numero +39 334-6650932.			
10	207-25700-58 UV-1900i	1,00	PZ	
20	071-60845-01 POWER CORD ,3VTJ1/3VTJA H05VV-F	1,00	PZ	
30	088-50602-49 CABLE KU20-2K (USB printer cable)	1,00	PZ	
40	INSTALLATION- INSTALLAZIONE SPECTRO UV	2,00	PZ	
50	prezzo listino euro 8.537,00+IVA			
60	prezzo riservato euro 5.980,00+IVA			

Offerta
3200029846

Pos.	Codice e Descrizione	Quantità	Prezzo unit.	Prezzo totale
70	*			
80	207-26000-58 UV-2600i	1,00	PZ	
90	071-60845-01 POWER CORD ,3VTJ1/3VTJA H05VV-F	1,00	PZ	
100	088-50602-49 CABLE KU20-2K (USB printer cable)	1,00	PZ	
110	INSTALLATION- INSTALLAZIONE SPECTRO UV	2,00	PZ	
120	prezzo listino euro 11.037,00+IVA			
130	prezzo riservato euro 7.750,00+IVA			
140	*			
150	980-28798 P.C. LENOVO THINKCENTER M70T + MONITOR	1,00	PZ	
160	prezzo listino euro 1.800,00+IVA			
161	prezzo riservato euro 1.260,00+IVA			
170	*			
180	980-28799 PRINTER HP OFFICEJET PRO6230	1,00	PZ	
190	prezzo listino euro 155,00+IVA			
200	prezzo riservato euro 109,00+IVA			

Pagina 2 / 3

CONDIZIONI DI FORNITURA

Quantità inserite per codice INSTALLATION espresse in mezzeggiornate: q.tà 1 = 4h

CONSEGNA: entro 60gg data ordine previa restituzione dei requisiti di installazione firmati.

GARANZIA: 12 mesi dalla data di installazione e collaudo, non oltre 15 mesi dalla data della consegna.

La garanzia comprende la sostituzione di tutte le parti difettose e tutti gli interventi di riparazione (sempre da difetto d'origine). La garanzia esclude il materiale consumabile.

INSTALLAZIONE E COLLAUDO: inclusi, da effettuarsi entro 30 giorni dalla consegna.

Tutte le attività sopra riportate sono da intendersi sul territorio nazionale.

NOTA: I termini di pagamento decorrono dall'installazione e collaudo conclusi positivamente.

Se l'installazione verrà da Voi ritardata oltre il termine di 30 gg dalla consegna, i termini di pagamento decorreranno dalla data della consegna.

Le condizioni generali di vendita allegate sono parte integrante della presente offerta e regolano la fornitura dei prodotti da parte nostra.

Vi preghiamo d'inviare l'eventuale ordine di acquisto a sim@shimadzu.it

Con l'occasione porgiamo i nostri migliori saluti.

"DOCUMENTO VERIFICATO E AUTORIZZATO DA SALES MANAGER - STEFANO ZAZA"

Shimadzu Italia S.r.l.

Typical Specifications

UV-1900i

UV-VIS Spectrophotometer

The UV-1900i is a double-beam UV-Vis spectrophotometer using Shimadzu's original LO-RAY-LIGHT™ diffraction grating technology. In addition to its high optical performance, the UV-1900i features high resolution, low stray light, high reproducibility, and an ultra-fast scan function. It also has an easy-to-use interface on a color touch-screen display. The UV-1900i is designed to meet the needs of both high performance and usability.



Navigate Your Way

Hardware Specifications

Item	Specification
Wavelength range	190 to 1,000 nm
Spectral bandwidth	1 nm (190 to 1,000 nm)
Wavelength setting	0.1 nm increments (1 nm increments when setting scanning range)
Wavelength accuracy	± 0.05 nm at D2 peak 656.1 nm, ± 0.3 nm for entire range
Wavelength repeatability	± 0.025 nm
Wavelength slew rate	Approx. 29,000 nm/min
Wavelength scanning speed	3,000 to 2 nm/min 29,000 nm/min when survey scanning
Lamp interchange wavelength	Automatic interchange linked to wavelength. The interchange wavelength can be set freely in the range of 295 to 364 nm (0.1 nm increments).
Stray light	Less than 0.004% at 220 nm (NaI) Less than 0.004% at 340 nm (NaNO ₂) Less than 0.15% at 198 nm (KCl)
Photometric system	Double beam optics
Photometric range	Absorbance: -4 to 4 Abs Transmittance: 0% to 400%
Photometric accuracy	± 0.0015 Abs at 0.5 Abs ± 0.002 Abs at 1.0 Abs ± 0.004 Abs at 2.0 Abs (measured using NIST930D/NIST 930 or equivalent.)
Photometric repeatability	Less than ± 0.00002 Abs at 0.5 Abs Less than ± 0.00003 Abs at 1.0 Abs Less than ± 0.00007 Abs at 2.0 Abs

The specifications shown here represent the average performance of the UV-1900i. These specifications are typical values, not guaranteed values. The guaranteed specifications are listed in a separate publication.

Item	Specification
Baseline stability	Less than 0.0002 Abs/hr (700 nm, one hour after light source turned ON)
Baseline flatness	Less than ± 0.0003 Abs (190 to 1,000 nm, one hour after light source turned ON)
Noise level	Less than 0.00001 Abs (700 nm)
Light source	20-W halogen lamp and deuterium lamp Built-in light source auto position adjustment
Monochromator	LO-RAY-LIGHT grade blazed holographic grating in Czerny-Turner mounting
Detector	Silicon photodiode
Sample compartment	Internal dimensions: W: 100 × D250 × H: 115 mm Distance between light beams: 100 mm
Power requirements	AC: 100, 20, 220, 230, 240 V, 50/60 Hz, 140 VA
Environmental requirements	Temperature: 5°C to 35°C Humidity: 35% to 80% (without condensation; 70% max. at 30°C or higher)
Dimensions	W450 × D500 × H244 mm
Weight	16.6 kg
Output device	USB memory (optional) Extended memory (optional) Data files saved in text format or UVPC format* *Files in UVPC format can be read with the UVProbe file viewer, which is a function of LabSolutions™ UV-Vis, or with UVProbe software
PC compatibility	LabSolutions UV-Vis software (standard) External control possible via USB.
Display	24-bit color touch screen Touch pen (standard included) Touch panel protective sheet (optional)
Supported languages	Japanese, English, Chinese, Spanish (Mexico), Portuguese (Brazil), German, French, Russian.

Software Specifications

Measurement mode	Specification
Spectrum mode	<ol style="list-style-type: none"> 1. Measurement modes: ABS, T%, E 2. Number of repeat scans: 1 to 99 3. Recording system: Selection between single spectrum and data overlay 4. Data storage and recall 5. Data processing: Peak/valley detection, arithmetic operations, differentiation, smoothing, area calculation, point picking, data reading at cursor-specified point
Photometric mode	<p>Single-wavelength measurement</p> <ol style="list-style-type: none"> 1. Photometric modes: T% or Abs 2. Quantitation using K-factor method 3. Data table storage and recall functions <p>Multiple-wavelength measurement</p> <ol style="list-style-type: none"> 4. Photometric modes: T% or ABS 5. Measurements at up to eight designated wavelengths (set in 0.1 mm increments) 6. Data calculation at up to four wavelengths (difference or ratio between two wavelengths, calculation between three wavelengths, etc.) is possible.
Quantitation mode	<ol style="list-style-type: none"> 1. Measurement methods: 1-wavelength, 2-wavelength, 3-wavelength, and 1st to 4th derivative methods 2. Quantitation methods: Automatic concentration calculation using K-factor Automatic concentration calculation using single-point calibration curve Multi-point calibration curve method (1st to 3rd order regression curves) 3. Measurement parameters: Number of standards (2 to 10) Number of repeat measurements (1 to 10 times) to obtain a mean value for quantitation.
Kinetics mode	<ol style="list-style-type: none"> 1. Measures absorbance changes as a function of time and calculates the enzymatic activity values. 2. Measurement time: 1 to 9,999 sec/min 3. Measurement methods: 1-wavelength, 2-wavelength, multi-cell, and rate measurements
Time scan mode	<ol style="list-style-type: none"> 1. Measures changes in measured values as a function of time 2. Measurement mode: ABS, T%, E 3. Measurement time: 1 to 9,999 sec/min 4. Data processing functions (same as spectrum mode)

Measurement mode	Specification
Biomethod mode	<p>DNA/Protein Quantitation</p> <ol style="list-style-type: none"> 1. Calculation of DNA/protein concentration and absorbance ratio DNA concentration = $K1 \times A1 - K2 \times A2$ Protein concentration = $K3 \times A2 - K4 \times A1$ 2. Factors and measurement wavelengths can be set freely. 3. Background correction is possible. <p>Quantitation of proteins</p> <ol style="list-style-type: none"> 1. Quantitation methods: Lowry method, BCA method, Biuret method, CBB method (Bradford method), UV method
Maintenance	<ol style="list-style-type: none"> 1. Baseline correction 2. Lamp usage time display and reset. 3. Security settings Functions can be restricted according to the user. 4. Instrument validation functions: 1) Compatible with 9 JIS items Wavelength accuracy, wavelength repeatability, resolution, stray light, photometric accuracy, photometric repeatability, baseline flatness, baseline stability, noise level. 2) Semi-automatic validation Validation inspections conducted interactively while inserting and removing inspection jigs. 3) Fully automatic validation Automatic validation inspections from measurement to evaluation and printout. 4) Setting inspection parameters and pass/fail criteria Authority to make changes can be protected by password access. 5) Detailed printout of results. 6) Bulk printout of results. 7) Equipped with method in accordance with Pharmacopeia (JP, USP, EP).
Shared functions	<ol style="list-style-type: none"> 1. Automatic setting of measurement mode after instrument initialization. It's possible to specify standby and parameter files in the parameter setting window for each measurement mode. 2. Selection of displayed number of decimal places Absorbance: 3 or 4 decimal places Transmittance: 1 or 2 decimal places 3. Number of files that can be saved (built-in memory) Measurement parameters: 100 files max. Tabular data: 15 files max. Curve data: 16 files max. Validation condition: 10 files max. Validation result: 3 files max. 4. Number of savable files (Extended memory and options) Curve data files: 999 files max. 5. Keyboard and Bar code Reader Support. File names can be entered using the keyboard or bar code reader. 6. Wake-up function Equipment can be started at a fixed time every day. 7. Network Connections Multiple UV-1900i can be connected to a single printer over the network. 8. Setting of integration time (for fixed-wavelength measurement) 9. PC control Spectrophotometer can be controlled by an external PC. This function is also used when performing operation with the standard LabSolutions UV-Vis software provided. *A USB cable is required

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Typical Specification Sheet

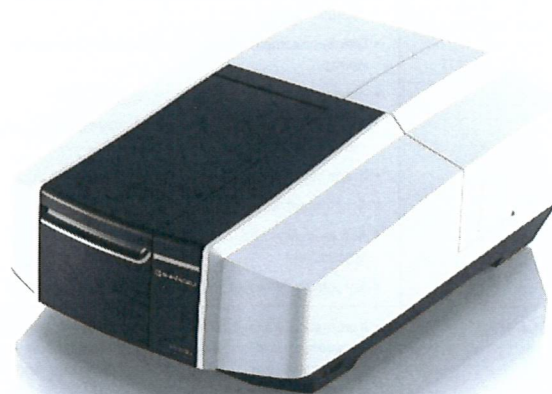
UV-2600i

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

Hardware Specifications

Item	Specification
Wavelength range	185 to 900 nm 220 to 1,400 nm when the ISR-2600Plus Integrating Sphere Attachment is used.
Spectral bandwidth	0.1, 0.2, 0.5, 1, 2, 5 nm 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 ₂ , ±0.3 nm, All range
Wavelength repeatability	±0.01 nm
Wavelength scanning speed	Wavelength transfer: Approx. 4,000 nm/min Wavelength scan rate: Approx. 4,000 to 0.5 nm/min
Lamp interchange wavelength	Auto switching synchronized with wavelength; switching range selectable between 290 and 370 nm (0.1 nm increments)
Stray light	0.002% or less (220 nm, NaI) 0.00025% or less (340 nm, 370 nm, NaNO ₂) 0.2% or less (198 nm, KCl)
Photometric system	Double beam
Photometric range	-5 to 5 Abs (Display range ±10Abs, ±0.1%)
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/NIST 930 or equivalent filter

Item	Specification
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-Light™ grade blazed holographic grating Use grating Single monochromator
Detector	Photomultiplier
Sample compartment	Internal dimensions: W 50 x D 260 x H 40 mm Distance between light beams: 100 mm
Power requirements	AC 100 to 240 V, 50/60 Hz, 170 VA
Operating temperature/humidity	15°C to 35°C 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.

Software Specifications

LabSolutions™ UV-Vis

Measurement Modes	Spectrum, quantitation, photometric, and time course
General	<ul style="list-style-type: none"> Save data files, parameter files, and template files Retain history of changes to data files and parameter files Manage sample information (sample name, sample ID, comments, etc.) Specify all sample information settings before measurements Control automatically from external application. Real-time display of wavelength, photometric value, and concentration values Graph settings (line type, line color, etc.) Adjust graph scale or use auto-scale. Automatically send measurement data to Excel® spreadsheet Automatically output measurement data in text format
Spectrum Mode	<ul style="list-style-type: none"> Automatically analyze data after measurements (evaluation function, peak detection, extract photometric value for specified wavelength, calculate area, correction, and conversion) Automatically print report after measurements Overlay spectral waveforms Analysis and pass/fail judgment using spectral evaluation function Data processing (detect peaks, extract photometric value of specified wavelength, calculate area) Correction (dilution factor correction, optical path length correction, etc.) Conversion (smoothing, differentiation, etc.) Specialized analysis (color calculation, film thickness calculation, solar reflectance calculation, UPF calculation)* Output text for multiple spectra in matrix format
Quantitation Mode	<ul style="list-style-type: none"> Quantitation for specified wavelengths (one wavelength, difference between two wavelengths, ratio of two wavelengths, three wavelengths) Quantitation based on maximum/area spectrum value Single-point calibration curve, multi-point calibration curve, K-factor method Calibration curve method (first to third-order equations) Correct dilution factor for each sample. Specify weighting factors for each sample (standard samples) Concentration value pass/fail judgment Perform repeated measurements Remeasure
Photometric Mode	<ul style="list-style-type: none"> Measure fixed wavelength or range (max /area value) Correct dilution factor for each sample. User-defined calculation formulas (polynomial) Calculation formula pass/fail judgment Perform repeated measurements Remeasure

Time Course Mode	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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 data summary
Optional Products	<ul style="list-style-type: none"> Automatic analysis application* UVProbe file viewer
Configuration Settings	<ul style="list-style-type: none"> Set number of decimal places displayed Set format for displaying data. System log management Set regulation value for output folders
ERES Regulations*	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> JP, EP, USP Various performance values indicated in JIS standards
Inspection Conditions	<ul style="list-style-type: none"> Select inspection to perform Select wavelength inspected or filter used Set inspection pass/fail criteria Save inspection conditions in a file.
Inspection Execution	<ul style="list-style-type: none"> Inspections (measurements and calculations) performed fully automatically (filter set manually)
Inspection Results	<ul style="list-style-type: none"> Print reports of inspection results Save file of inspection results Manage inspection results in a database *

* Requires separate purchase of optional software.

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First Edition December 20'9 3655-080' -PDFIT