



UV/VIS SPECTROPHOTOMETER

UVISCO

DOMINIQUE DUTSCHER SAS



Specifications

Model	V-1100D	UV-1100D
Wavelength Range	325-1000nm	200-1000nm
Spectral Bandwidth	4nm	4nm
Optical System	Single Beam, Grating 1200 lines/mm	4nm
Wavelength Accuracy	±2nm	±2nm
Wavelength Repeatability	1nm	1nm
Wavelength Setting	Manual	Manual
Photometric Accuracy	≤ ±0.5%T or ±0.003A@1A	≤ ±0.5%T or ±0.003A@1A
Photometric Range	0-200%T, -0.3 - 3A, 0-9995Conc.	0-200%T, -0.3 - 3A, 0-9995Conc.
Stray Light	0.3%T	0.3%T
Stability	±0.004A/h @500nm	±0.004A/h @500nm
Display	128*64 Dots LCD	128*64 Dots LCD
Photometric Mode	T,A,C,F	T,A,C,F
Detector	Silicon Photodiode	Silicon Photodiode
Standard Cell Holder	4-position 10mm cell changer	4-position 10mm cell changer
Sample Compartment	Standard 10mm pathlength cuvette	Standard 10mm pathlength cuvette
Light Source	Tungsten lamp	Tungsten & Deuterium lamp
Output	USB Port& Parallel Port(printer)	USB Port & Parallel Port(printer)
Power Requirement	AC85V-265V 50/60Hz	AC85V-265V 50/60Hz
Dimensions(WxDxH)	480x360x160mm	480x370x180mm
Weight	10kg	12kg

V/UV-1100D is the only model of manually setting wavelength in families, but precise design and high quality components ensures excellent performance. It is widely used in high schools and colleges for general analysis and experiments.

Features

1. Large LCD Screen (128*64 Dots).
2. Wavelength can be read out from the screen directly
3. Auto Zero and Blank.
4. Parallel port, printed directly.
5. Large sample compartment, it can accommodate 5-100mm path length cuvettes with optional holders.
6. Pre-aligned design ensures the user can change lamp conveniently.
7. Optional software PC software M.Wave Professional based on Windows can expand the applications to Standard Curve & Kinetics.
8. High quality silicon photometric diode detector and 1200 lines/mm grating ensure high accuracy and precision.



V-1200/UV-1200/UV-1100

V/UV-1200, UV-1100 spectrophotometer is the ideal instrument for education and QC laboratories. Using your standard sample solutions, you can get a standard curve on the large LCD screen.

They are widely used in colleges and enterprises for general quantitative analysis and experiments

Features

1. Large LCD screen(128*64 Dots)
2. Can display total 50 groups of data, 3 groups per screen. Can display standard curve and the curve equation.
3. System can also save the test results. Total 200 groups of data and 100 standard curves can be saved; it is convenient for check and reload.
4. Data can be restored after a sudden power cut.
5. Auto setting wavelength.
6. Tungsten lamp & Deuterium lamp can be turned on/off individually to extend lifetime.
7. Pre-aligned design makes it convenient to change lamps.
8. Large sample compartment, it can accommodate 5-100mm path length cuvettes with optional holders. A variety of optional accessories are available.
9. The optional application software M.Wave Professional provides complete control of the spectrophotometer through the Built-in USB port. You can achieve the following functions:
 - I. Quantitative; II. Kinetics; III. Wavelength Scan;
 - IV. Multi Wavelength; V. DNA/Protein.

Specifications

Model	V-1200	UV-1200	UV-1100
Wavelength Range	325-1000nm	200-1000nm	200-1000nm
Spectral Bandwidth	4nm	4nm	4nm
Optical System	Single Beam, Grating 1200 lines/mm	4nm	4nm
Wavelength Accuracy	±2nm	±2nm	±2nm
Wavelength Repeatability	0.5nm	0.5nm	1nm
Photometric Accuracy	≤ ±0.5%T or ±0.003A@1A	≤ ±0.5%T or ±0.003A@1A	≤ ±0.5%T or ±0.003A@1A
Photometric Range	0-200%T, -0.3 - 3A, 0-9995Conc.	0-200%T, -0.3 - 3A, 0-9995Conc.	0-200%T, -0.3 - 3A, 0-9995Conc.
Stray Light	0.3%T	0.3%T	0.3%T
Stability	±0.002A/h @500nm	±0.002A/h @500nm	±0.002A/h @500nm
Detector	Silicon Photodiode	Silicon Photodiode	Silicon Photodiode
Standard Cell Holder	4-position 10mm cell changer	4-position 10mm cell changer	4-position 10mm cell changer
Sample Compartment	Standard 10mm pathlength cuvette	Standard 10mm pathlength cuvette	Standard 10mm pathlength cuvette
Light Source	Tungsten lamp	Tungsten & Deuterium lamp	Tungsten & Deuterium lamp
Output	USB Port & Parallel Port(printer)	USB Port & Parallel Port(printer)	USB Port & Parallel Port(printer)
Power Requirement	AC 110/220V 50/60Hz	AC 110/220V 50/60Hz	AC 110/220V 50/60Hz
Dimensions(WxDxH)	470x370x180mm	470x370x180mm	470x370x180mm
Weight	12kg	12kg	14kg



4-CELL HOLDER FOR 10mm SQ.UVUETTE

900410



4-CELL HOLDER FOR UP TO 50mm SQ.UVUETTE

900420



4-CELL HOLDER FOR UP TO 100mm SQ.UVUETTE

900430



CYLINDRICAL CELL HOLDER

900540



WATER-JACKETED CELL HOLDER

900610



MICRO CELL HOLDER

900210



TEST TUBE HOLDER

900530



8-POSITION AUTO CELL CHANGER

900310



SOLID SAMPLE HOLDER (SINGLE CELL)

900550



10mm WATER-JACKETED 4-CELL HOLDER

900620



SQUARE CUVETTES, GLASS

10mm 916101 20mm 916102
30mm 916103 50mm 916104
100mm 916105



SQUARE CUVETTES, QUARTZ

10mm 916111 20mm 916112
30mm 916113 50mm 916114
100mm 916115



MICRO CELL, QUARTZ

100UL 916121
200UL 916122
500UL 916123



SELF MASKING CONT.FLOWTHROUGH G.CELL

5mm 916131 10mm 916132
20mm 916133 30mm 916134



SELF MASKING CONT.FLOWTHROUGH Q.CELL

5mm 916141 10mm 916142
20mm 916143 30mm 916144



HALOGEN LAMP (PHILIPS)



12V20W: 916634

6V10W: 911634

THERMAL PRINTER

920910



12V20W HALOGEN LAMP (OSRAN)

961634



MILAS DEUTERIUM LAMP

916633

