AQUALABO

UVILINE RANGE
SPECTROPHOTOMETERS
8100C, 9100C & 9400C
VISIBLE & UV-VISIBLE

ADVANTAGES

- **New large color screen :** better ergonomy
- **New more efficient lamps**
- **New special mode :** calculation according mathematical formulation and integration of additionnal variables
- **Preprogrammed methods** to analyse more than 40 parameters
- **Large range of accessories :** Universal cell holder, Multi Cell, Sipper, Peltier effect…

SECOMAM
BY AQUALABO

UVILINE 8100C, 9100C ET 9400C SPECTROPHOTOMETERS

UVILINE RANGE : A SMART COMBINATION OF INNOVATIONS

Thanks to their smart design and a powerful and user friendly software, Uvilines are the most easy to use spectrophotometers.

Compatibility with GLP and easy acces compartment makes the the perfect device for your analyzes.

Optical performances

Uviline spectrophotometers have the best technologies to offer a perfect optical design.

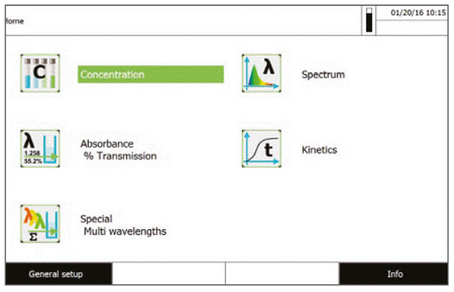
- R1200 L/mm holographic grating for very low Stray Light
- Large spectral range : 190 to 1100 nm for 9400C • 320 to 1100 nm for 8100 C and 9100C
- High optical resolution : 6nm for Uviline 8100C / 4nm for Uviline 9100C and 9400C
- Ambient light automatic compensation
- Fast scanning capability
- Automatic wavelength calibration

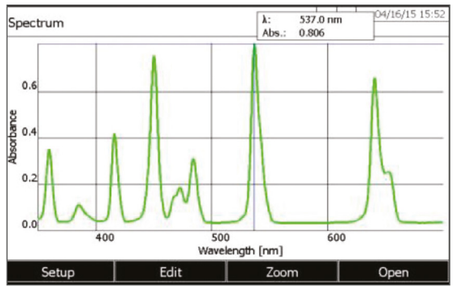
Connection

- 2 USB ports : data storage/import/export, update with USB stick, keybord, mouse
- Remote control via USB with Spectralab Software

Software details

- Absorbance/Transmittance : Punctual or continuous measurement
- Concentration : From 0 to 10 standards. Graphic calibration curve management 120 preinstalled methods to analyze more than 40 parameters (not available on Uviline 8100C)
- Multi Wavelength : Up to 10 wavelenghts - Calculation according fully customizable mathematicalformulation and integration of additional variables and measurement conditions
- Spectrum scanning : Dynamic graphic curve display, graphic management : zoom, derivative, current Abs, peaks and valleys
- Kinetics : Dynamic graphic curve display, graphic management: zoom, sloop calculation, current Abs
- GLP compliant : User login with 3 levels, parameters & data storage
- Storage capacity : 100 internal methods / 30 graphics / 1000 results. On USB stick, according key capacity

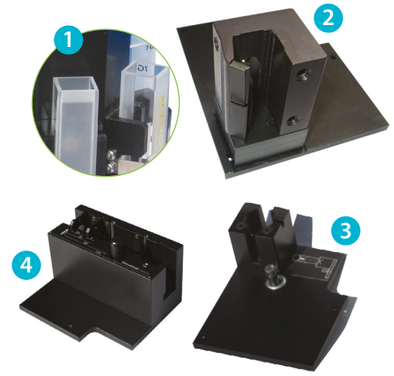


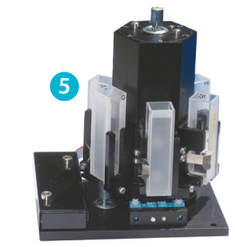


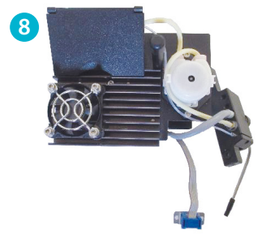
A FULL RANGE OF ACCURATE AND EASY-TO-USE ACCESSORIES

The cell compartment of UviLine can receive a wide range of accessories. Easy to access, they expand the applications of spectrophotometers and improve their automation.

These accessories are easily installed thanks to the locking system "Quick-Lock" and ensure optimum positioning of the cells. Automatic accessories (multicell, Sipper, thermostatically controlled cell holder ...) are entirely controlled by the software.







SECOMAM cells 1

- The SECOMAM cells are a guarantee of quality and optical purity. More than 500 models of optical glass or quartz cells are proposed in our catalog.

Single cell holder up to 10 mm optical path 2

- It can receive 10 mm cells and, associated to the right diaphragm, it allows the use of microcells up to 50 µl.
- Thermostatable version in option.

16 mm tube holder 3

- For 16 mm round tubes used for some micromethods.

Universal Cell Holder 5-100 mm & 16 mm tube 4

- Suitable for cells 5/10/20/50/100 mm and 16 mm tubes, rigorously covers all uses of UviLine.

Automatic multi-cell turret 5 + 1 5

- It manages 5 samples and 1 blank.
- The turret is easily removable and re-insertable for easy change of the cells.
- Positioning is extremely accurate even for small volume cells.

Sipper 6

Compact, it is equipped with a peristaltic pump integrated to the cell holder:

- Programmable suction 500 µl to 2000 µl
- Can be used with cells from 30 µl to 450 µl
- It secures the handling and increases productivity

Peltier 7

The Peltier temperature control system is compact, fast and accurate.

- Programmation of the T °: from 10 ° C to 60 ° C
- Accuracy: 0.5 ° C

Sipper with Peltier 8

It combines a suction system by peristaltic pump integrated in the cell holder and a Peltier temperature control system

- Programmation of the T °: from 10 ° C to 60 ° C
- Accuracy: 0.5 ° C
- Programmable suction 500 µl to 2000 µl
- Can be used with cells of 30 µl to 450 µl
- Ultra compact, fast and completely driven by the device

TECHNICAL SPECIFICATIONS

	UVILINE 8100 c	UVILINE 9100 c	UVILINE 9400 c
Wavelength range	320-1100 nm	320-1100 nm	190-1100 nm
Light Source	Halogen	Halogen	Xenon
Bandwidth	6 nm	4 nm	4 nm
Incremental WL step	Reading : 0,1 nm	Reading : 0,1 nm	Reading : 0,1 nm
	Setting : 1 nm	Setting : 1 nm	Setting : 1 nm
Wavelenght accuracy	± 2 nm	± 1 nm	± 1 nm
Wavelenght repeatability	± 0,5 nm	± 0,5 nm	± 0,5 nm
Absorbance range	± 3,300	± 3,300	± 3,300
Absorbance resolution	0,001 Abs or 0,1% T	0,001 Abs or 0,1% T	0,001 Abs or 0,1% T
Photometric accuracy	± 0,005 Abs (0,5 Abs)	± 0,003 Abs (0,5 Abs)	± 0,003 Abs (0,5 Abs)
	± 0,008 Abs (1,0 Abs)	± 0,005 Abs (1,0 Abs)	± 0,005 Abs (1,0 Abs)
	± 0,016 Abs (2,0 Abs)	± 0,010 Abs (2,0 Abs)	± 0,010 Abs (2,0 Abs)
Stray light	< 0,1% to 340nm (NaNO2)	≤ 0,1 % to 340 nm (GG375) 400 nm (GG408)	≤ 0,1 % to 220 nm (NaI) 340 nm (GG375) 400 nm (GG408)
Flatness baseline	± 0,010 Abs		
Scanning speed	Low-Medium-Fast		
Update	Via USB port		
Interface	1 USB-A, 1 USB-B		
IP standard	IP 30 with drain in the cell compartment		
Power supply	110-220 V 50/60 Hz - specific country cable		
Temperature (°C)	Use : 10°C à 35°C / storage 25°C à 65°C		
Dimensions (L x l x h)	404 x 314 x 197 mm		
Weight (net)	4,7 Kg	4 Kg	
Warranty	3 years		

ORDERING INFORMATION

- **70VI0482 :** UviLine 8100 C Visible spectrophotometer 6nm
- **70VI0502 :** UviLine 9100 C Visible spectrophotometer 4 nm
- **70VI0512 :** UviLine 9400 C UV Visible spectrophotometer 4 nm
- **80ZZ0036 :** Pre-aligned spare lamp for UviLine 8100 C
- **80ZZ0037 :** Pre-aligned spare lamp for UviLine 9100 C
- **70VI0604 :** 10mm cell holder (delivered standard with all UviLine series)
- **70VI0607 :** 16 mm tube holder
- **70VI0609 :** 5mm-100mm universal cell holder & 16mm tube
- **70VI0600 :** Automated 5+1 cell changer
- **70VI0601 :** Sipper with flow cell
- **70VI0603 :** 10mm thermostated cell holder (Peltier system)
- **70VI0610 :** Sipper with thermostated cell holder (Peltier system)
- **85LOG0001 :** Spectralab Software

Cells and consummables : ask for our 24 pages catalogue

PREPROGRAMMED METHODS : Consult the dedicated sheet