TECHNICAL SPECIFICATIONS

	9300	9600
Wavelenghs range	• 320-1100 nm	• 190-1100 nm
Light source	• Halogen	• Xenon
Spectral bandwidth	• 4 nm	• 4 nm
Incremental WL step	• Reading: 0.1 nm • Setting: 1 nm	• Reading: 0.1 nm • Setting: 1 nm
Wavelenght accuracy	• ± 1 nm	• ± 1 nm
Wavelenght repeatability	• ± 0,5 nm	• ± 0.5 nm
Absorbance range	• ± 3,500 Abs	• ± 3,500 Abs
Absorbance resolution	• 0,001 Abs ou 0,1% T	• 0,001 Abs ou 0,1% T
Photometric accuracy	• ± 0,003 Abs (0,5 Abs) • ± 0,005 Abs (1,0 Abs) • ± 0,010 Abs (2,0 Abs)	• ± 0,003 Abs (0,5 Abs) • ± 0,005 Abs (1,0 Abs) • ± 0,010 Abs (2,0 Abs)
Stray light	• < 0,1 %T at 340 nm (GG375) • < 0,1 %T at 408 nm (GG408)	• < 1 %T at 198nm (KCl) • < 0,1 %T at 220nm (NaI) • < 0,05 %T at 340 nm (GG375) • < 0,05 %T at 408 nm (GG408)
Flatness baseline	• ± 0,002 Abs	• ± 0,002 Abs
Scanning speed	• Low – medium – fast > 600 nm/min	• Low – medium – fast > 800 nm/min
Update	• Via USB port	• Via USB port
Interface	• 1 USB-A, 1 USB-B, Ethernet RJ45	• 1 USB-A, 1 USB-B, Ethernet RJ45
IP	• IP 30 with drain in the cell compartment	• IP 30 with drain in the cell compartment
Power Supply	• 110-220 V 50/60 Hz specific country cable	• 110-220 V 50/60 Hz specific country cable
Temperature (°C)	• Use: 10°C to 35°C • Storage: 25°C to 65°C	• Use: 10°C to 35°C • Storage: 25°C to 65°C
Dimensions (L x l x h)	• 404 x197 x 314 mm	• 404 x197 x 314 mm
Weight (net)	• 4 Kg	• 4 Kg
Warranty	• 3 years	• 3 years

ORDERING INFORMATION

- **70VI0501A:** UviLine 9300 - VISIBLE 4 nm spectrophotometer
- **70VI0511A:** UviLine 9600 - UV/VISIBLE 4nm spectrophotometer
- **80ZZ0037:** Pre-aligned spare lamp for UviLine 9300
- **70VI0600:** Automated 5+1 cell changer / instrument driven *
- **70VI0601:** Sipper / instrument driven *
- **70VI0603:** 10mm cell holder thermostated (Peltier system) / instrument driven *
- **70VI0604:** 10mm cell holder (delivered standard with all UviLine series)
- **70VI0609:** 5mm-100mm universal cell holder & 16mm tube. Quick-lock system
- **85LOG0001:** SPECTRALAB software*

* Contact us for more information

AQUALABO
Smart water solutions

UVILINE RANGE
9300 & 9600 SPECTROPHOTOMETER
VISIBLE & UV-VISIBLE

More than **70 years** of expertise

NEW REFERENCE BEAM

- **Optimal accuracy** with the reference beam: more accurate, less drift, and no need to make a blank measurement everytime you start an analysis
- **Acquisition system:** 2 times faster than previous technologies
- **Better ergonomy** with a large color screen
- **Special mode:** the measurements can be done according to the customizable mathematical formulation, integration of additional variables and measurement conditions
- **Improvement of the lamp lifetime:** up to 4 years on Uviline 9300 and no need to change the lamp for Uviline 9600
- **Guaranteed straylight** < 1%

Education | Reference Laboratory | Chemicals | Life Sciences | Food Industry

UVILINE RANGE: SMART COMBINATION OF INNOVATIONS

Uviline 9300 and 9600 spectrophotometers combine the newest and the best innovations.

Thanks to the new reference beam, the new acquisition system and a powerful software, Uviline spectrophotometer are accurate and user friendly.

Perfect optical design

- Guaranteed Stray Light <1%
- Large Wavelength range: • 190 to 1100 nm (Uviline 9600) • 320 to 1100 nm (Uviline 9300)
- Bandwidth: 4nm
- Ambient light automatic compensation
- Fast scanning capability
- High light purity allowing a large reading range: + 3,500 Abs
- Automatic wavelength calibratione

Connections

- 2 USB port: storage/upload/download/update with USB stick, keyboard, mouse
- 1 Ethernet RJ45 port

SPECTRALAB SOFTWARE

SpectraLab Software has been specially designed for the use with SECOMAM spectrophotometers, so you can control absolutely everything on your spectrophotometer and its accessories. The interface is intuitive and easy-to-use.
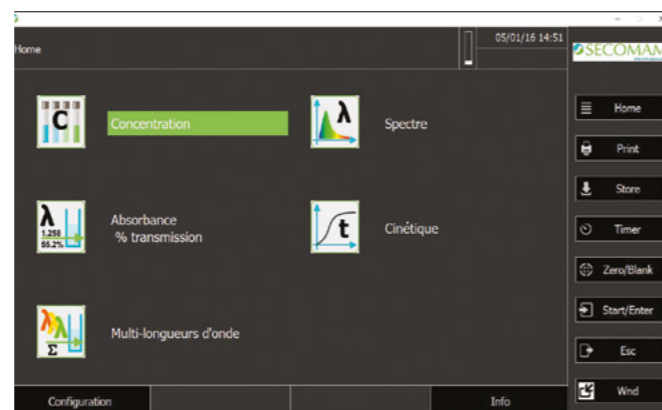
5 measuring modes

- Absorbance / Transmittance
- Concentration : From 0 to 10 standards: graphic calibration and curve management. Or use our preprogrammed method to analyze more than 40 parameters.
- Kinetics : Easy to program and graphic management: zoom, slope calculation, kinetics comparison.
- Spectrum : Dynamic graphic curve display, graphic management: zoom, derivative, peaks & valleys.
- Multi Wavelength: up to 10 wavelengths, results formula

GLP compliance

- User login with 3 levels
- Parameters & data storage

Storage capacity

- Internal : 100 methods / 30 graphics / 1000 data
- With USB stick: limited to the key size.

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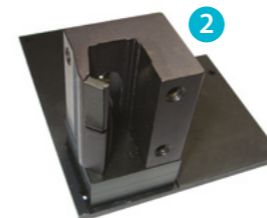
These accessories are easily installed thanks to the locking system "Quick-Lock" and ensure optimum positioning of the cells. Automatic accessories (multicell, Sipper, thermostatically controlled cell holder ...) are entirely controlled by the software.

THE ACCESSORIES ARE GUARANTEED FOR 1 YEAR !

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.
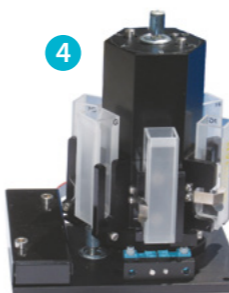
Single cell holder up to 10 mm optical path — 2

- It can receive 10 mm cells and, associated to the right diaphragm, it allows the use of microcells up to 50 µl.
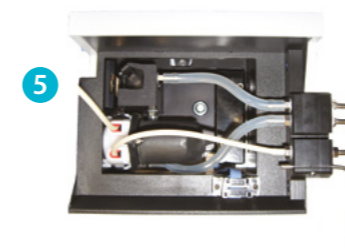
Universal Cell Holder 5-100 mm & 16 mm tube — 3

- 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 — 4

- 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 — 5

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 — 6

The Peltier temperature control system is compact, fast and accurate.
- Programmation of the T°: from 10°C to 60°C
- Accuracy: 0.5°C