

UVILINE RANGE 9300 & 9600 SPECTROPHOTOMETER VISIBLE & UV-VISIBLE



NEW

- Reference beam
- Large color screen

- **New** reference beam : **more accurate, less drift**
- **New** acquisition system : **2 times faster**
- **New** large color screen : **better ergonomy**
- **New** special mode : **calculation according mathematical formulation and integration of additional variables**
- **Lamps lifetime improved** : up to 4 years on Uviline 9300 and whole lifetime product on Uviline 9600
- **Guaranteed straylight < 1%**

UVILINE RANGE: SMART COMBINATION OF INNOVATIONS

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

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 calibration

5 measuring mode

- Absorbance/Transmittance
- Concentration
- Multi wavelengths
- Spectrum Scanning
- Kinetic

Connections

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



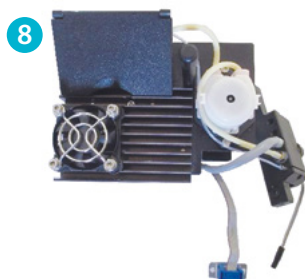
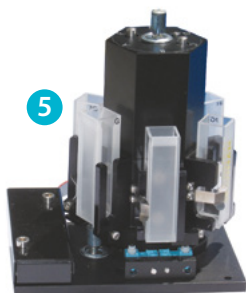
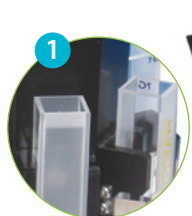
SOFTWARE DETAILS

Concentration	<ul style="list-style-type: none"> • From 0 to 10 standards. Graphic calibration curve management • 120 preinstalled methods to analyze more than 40 parameters
Kinetics	<ul style="list-style-type: none"> • Dynamic graphic curve display, graphic management: zoom, slope calculation, current Abs
Spectrum scanning	<ul style="list-style-type: none"> • Dynamic graphic curve display, graphic management: zoom, derivative, current Abs, peaks and valleys
Multi Wavelength	<ul style="list-style-type: none"> • Up to 10 WL - results formula
GLP compliant	<ul style="list-style-type: none"> • User login with 3 levels, parameters & data storage
Storage capacity	<ul style="list-style-type: none"> • 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.



SECOMAM cells 1

- The SECOMAM cells are a guarantee of quality and optical purity. More than 500 models of optical glass or quartz cuvettes 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 μ l.
- 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 tanks 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 250 μ l to 2000 μ l
- Can be used with cells from 30 μ l to 450 μ l
- It secures the handling and increases productivity

Peltier 7

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

- Programming 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

- Programming of the T°: from 10 °C to 60 °C
- Accuracy: 0.5 °C
- Programmable suction 250 μ l to 2000 μ l
- Can be used with tanks of 30 μ l to 450 μ l
- Ultra compact, fast and completely driven by the device

TECHNICAL SPECIFICATIONS

	9300	9600
Wavelengths 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
Wavelength accuracy	• ± 1 nm	• ± 1 nm
Wavelength repeatability	• $\pm 0,5$ nm	• ± 0.5 nm
Absorbance range	• $\pm 3,500$ Abs	• $\pm 3,500$ Abs
Absorbance resolution	• 0,001 Abs ou 0,1% T	• 0,001 Abs ou 0,1% T
Photometric accuracy	• $\pm 0,003$ Abs (0,5 Abs) • $\pm 0,005$ Abs (1,0 Abs) • $\pm 0,010$ Abs (2,0 Abs)	• $\pm 0,003$ Abs (0,5 Abs) • $\pm 0,005$ Abs (1,0 Abs) • $\pm 0,010$ 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	• $\pm 0,002$ Abs	• $\pm 0,002$ 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 x 197 x 314 mm	• 404 x 197 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 *
- **70VI0607:** 16 mm tube holder. Quick-lock system
- **70VI0603:** 10mm cell holder thermostated (Peltier system) / instrument driven *
- **70VI0604:** 10mm cell holder (delivered standard with all UviLine series)
- **70VI0609:** 5mm-100mm universal tank holder & 16mm tube. Quick-lock system
- **70VI0610:** Sipper with Peltier effect
- **70MI0670:** PC LabPower software *

* Contact us for more information