## TECHNICAL SPECIFICATIONS

| | Connect 810 (Visible) | Connect 910 (Visible) | Connect 940 (UV-Visible) |
|---|---|---|---|
| Wavelength range | 320-1100 nm | 320-1100 nm | 190-1100 nm |
| Light Source | Halogen | Halogen | Xenon |
| Bandpass | 6 nm | 4 nm | |
| Incremental WL step | Reading: 0.1 nm Setting: 1 nm | Reading: 0.1 nm Setting: 1 nm | |
| Wavelenght accuracy | ± 2 nm | ± 1 nm | |
| Wavelenght repeatability | ± 0,5 nm | ± 0,5 nm | |
| Absorbance range | ± 3,300 | ± 3,300 | |
| Absorbance resolution | 0,001 | 0,001 | |
| Photometric accuracy | 0.005 Abs < 1 Abs | 0.003 Abs < 0.600 Abs | |
| Stray light | <0.1%T at 340 nm | 0.1 %T at 340 nm 0.1 %T at 400 nm | |
| Flatness baseline | ± 0,010 Abs | ± 0,010 Abs | |
| Scanning speed | Low-Medium-Fast | Low-Medium-Fast | |
| Update | Via USB port | Via USB port | |
| Interface | 1 USB-B, Bluetooth | 1 USB-B, Bluetooth | |
| Weight (net) | 4,7 kg | 4 kg | |
| Dimensions (L x W x H) | 404 x 314 x 197 mm | 404 x197 x 314 mm | |
| IP standard | 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 | |
| Température (°C) / Humidity Use | +10°C to +35°C ; storage: -25°C to +65°C / Average p.a.: <75%, 30 days/year: 95%; rest: 85% | +10°C to +35°C ; storage: -25°C to +65°C / Average p.a.: <75%, 30 days/year: 95%; rest: 85% | |
| Warranty | 3 years | 3 years | |

### ORDERING INFORMATION

- **75UCT0480:** UviLine Connect 810 - VISIBLE 6 nm Remote Controlled spectrophotometer + SPECTRALAB Software
- **75UCT0500:** UviLine Connect 910 - VISIBLE 4 nm Remote Controlled spectrophotometer + SPECTRALAB Software
- **75UCT0510:** UviLine Connect 940 – UV-VISIBLE 4 nm Remote Controlled spectrophotometer + SPECTRALAB Software

- **80ZZ0036:** Pre-aligned spare lamp for UviLine Connect 810
- **80ZZ0035:** Pre-aligned spare lamp for UviLine Connect 910
- **X0009A:** Cable USB A/B (1.5m)
- **70VI0600:** Automated 5+1 cell changer
- **70VI0601:** Sipper
- **70VI0602:** 10mm thermostatable single cell holder
- **70VI0607:** 16 mm tube holder
- **70VI0603:** 10mm cell holder thermostated (Peltier system)
- **70VI0604:** 10mm cell holder (delivered standard with all UviLine series)
- **70VI0609:** 5mm-100mm universal cell holder & 16mm tube
- **70VI0610:** Sipper with Peltier effect

# AQUALABO

## UVILINE CONNECT RANGE
### 810, 910 & 940 SPECTROPHOTOMETERS
### VISIBLE AND UV-VISIBLE



*NEW*
- **Remote** Controlled
- **Bluetooth®** Connection

- **USB or Bluetooth®** Connection
- **Remote controlled** by Windows PC or tablet
- **No keyboard, no screen :** lower price
- **New Spectralab Software** included
- **Preprogrammed methods** to measure more than 40 parameters
- **Large range of accessories :** Universal Cell Holder, Multi-Cell, Sipper, Peltier Effect…

The new Uviline Connect spectrophotometers have one particularity, they have no screen and no keyboard. Because sometimes, users prefer to use a computer to control their devices, Secomam now propose entirely remote controlled spectrophotometers. Thanks to the new software Spectralab, they can be easily controlled by a computer, but also by a tablet using Bluetooth® technology.

**Uviline Connect 810 and 910 are visible devices, Uviline Connect 940 is a UV-visible spectrophotometer.**

## POWERFUL CONNECTED SPECTROPHOTOMETERS

**Uviline Connect Spectrophotometers can be remote controlled through**
- USB port with a PC
- Bluetooth® Connection with a PC or a tablet
- PC or tablets must be under Windows OS (32 and 64 bits, except Windows RT and Windows CE)

**The devices have no screen but there are 4 indicator lights** to indicate when power is on, light is running and when it is receiving or sending data

**Uviline Connect spectrophotometers benefit from the best technologies and offer a perfect optical design**
- 1200 L/mm holographic grating for very low Stray Light
- Large Wavelength range: 320 to 1100 nm for Uviline 810 and 910 / 190 to 1100 nm for Uviline 940
- High optical resolution : 6nm for Uviline 810 / 4nm for Uviline 910 and 940
- Ambient light automatic compensation
- Fast scanning capability
- Automatic wavelength calibration

## SPECTRALAB SOFTWARE

**The new SpectraLab Software has been specially designed for the use with Uviline Connect,** so you can control absolutely everything on your spectrophotometer with SpectraLab. This powerful software is available for all Uviline devices and is compatible with all computers and tablets using Windows OS. The connection to the spectrophotometer is made through USB wire or via Bluetooth wireless connexion.

- **5 modes : absorbance/transmittance, concentration, kinetics, spectrum scanning and multi wavelength**

### Concentration

From 0 to 10 standards. Graphic calibration curve management
120 preinstalled methods to analyze more than 40 parameters (not available on Uviline Connect 810)

### Kinetics

Dynamic graphic curve display, graphic management: zoom, sloop calculation, current Abs
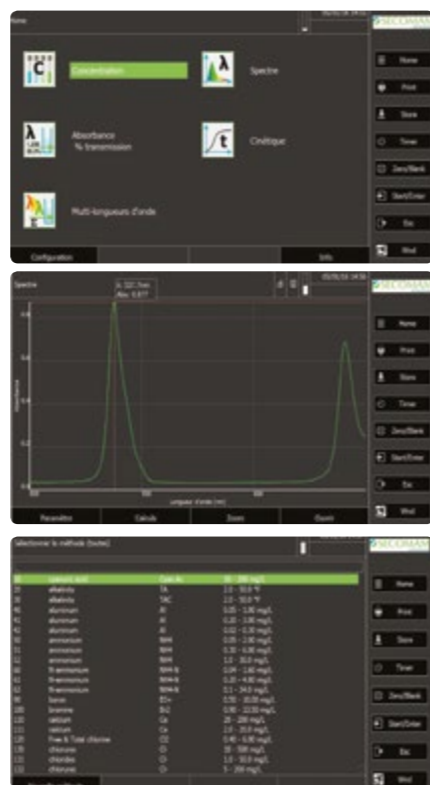
### Spectrum scanning

Dynamic graphic curve display, graphic management : zoom, derivative, current Abs, peaks and valleys

### Multi Wavelength

Up to 10 wavelenghts - Calculation according fully customizable mathematical formulation and integration of additional variables and measurement conditions

### GLP compliant

User login with 3 levels, parameters & data storage

## 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.
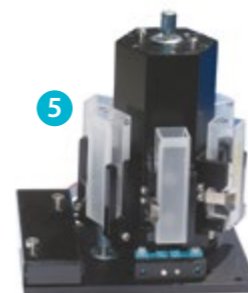
### Single cell holder up to 10 mm optical path  2
- It can receive 10 mm cells and, associated to the right diaphragm, it allows the use of microcells up to 50 µl.
- Thermostatable version in option.

### 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
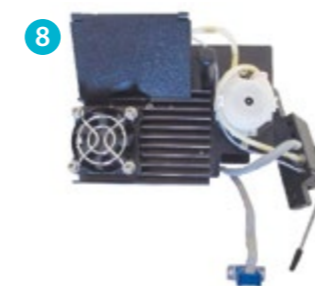Compact, it is equipped with a peristaltic pump integrated to the cell holder:
- Programmable suction 500 µl to 2000 µl
- Can be used with cells from 30 µl to 450 µl
- It secures the handling and increases productivity

### 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