

UVIKON

**XS
XL**

UV-Vis spectrophotometers



SECOMAM



an Advanced Digital Technology

EXPERIENCE —

SECOMAM is proud to provide the new fourth-generation UVIKON ultraviolet-visible spectrophotometers. With more than five decades of experience in the design, manufacture, and support of UV-VIS instrumentation, SECOMAM provides innovative solutions to laboratory analysis.

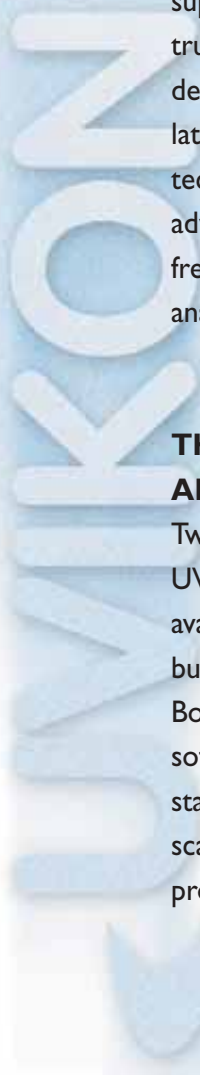
The UVIKON gives you confidence in your data. Its superior and highly efficient true double beam optical design is matched with the latest digital signal processing technology. These unique advantages give you the freedom to accomplish the analyses you want.

THE RIGHT FEATURES AND PERFORMANCE —

Two UVIKON models - the UVIKON XS and XL - are available to match your budget and analytical needs. Both models include full software for simple reads, standard curves, wavelength scans, wavelength programming, time drive and

kinetics. Its software is built to make it quick and easy for all to use - regardless of the analytical method - without sacrificing capabilities.

Make your next UV-VIS an instrument that's built to give you confidence in your data. Let us show you how the UVIKON is the instrument of choice to meet your present and future UV-VIS needs.



XS
XL



UVIKON XS / XL
DOUBLE-BEAM UV-VIS
SPECTROPHOTOMETERS



Quality engineering where
the user comes first

UVIKONXS

The UVIKON XS offers double beam capability at a single beam price. It sets the standard for both value and performance. The UVIKON XS is quality-engineered with optimized simplicity to give more productivity to every laboratory. Its advanced double-beam technology, high accuracy and precision, and quick usability assure top-quality results every time.

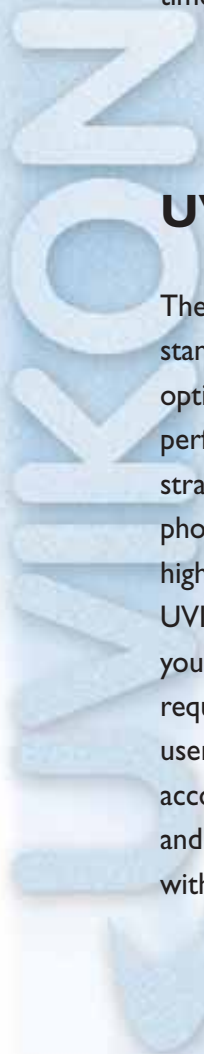


The UVIKON's modern optics and advanced electronics are designed to save space in your laboratory.

UVIKONXL

The UVIKON XL sets the standard for excellence in optics, software and performance. With its low stray light, superior photometric linearity, and high resolution, the UVIKON XL easily meets your lab's advanced UV-VIS requirements. It gives every user the power to accomplish both routine and demanding applications with ease.

The UVIKON XL's automation and data handling capabilities also provide maximum versatility and productivity for your laboratory.



XS XL

Ease of operation



The UVIKON's status display always shows the operating status of the system and the current absorbance and wavelength - all without any software commands.

The UVIKON's sample compartment is engineered to save you time. There is plenty of room to insert samples easily, and it lets you quickly exchange accessories whenever you want. And of course it is designed for easy maintenance.



Optically superior to ensure confidence in your data

Superior precision and accuracy begin with a superior optical design. Having more than five decades of experience in spectroscopy, **SECOMAM** sets the standard for uncompromised optical performance with the UVIKON's state-of-the-art optical design.

MEASUREMENT STABILITY

- **Reproducibility with every analysis**
- **Accurate data for long kinetics**
- *Double-beam optics with dark current correction*
- *Thermally insulated optical bench*
- *High-sensitivity detector*

PRECISE DATA

- **Accurate peak wavelength values**
- **Superb resolution for fine molecular structure data**
- *State-of-the-art grating drive system*
- *Precise data uncompromised by noise*

MEASUREMENTS EVEN WITH OPEN SAMPLE COMPARTMENT LID

- **Easy use of extra-large accessories**
- **Convenient access for larger cuvettes**
- *Optimised design of quartz windows in sample compartment*

HIGH ENERGY THROUGHPUT

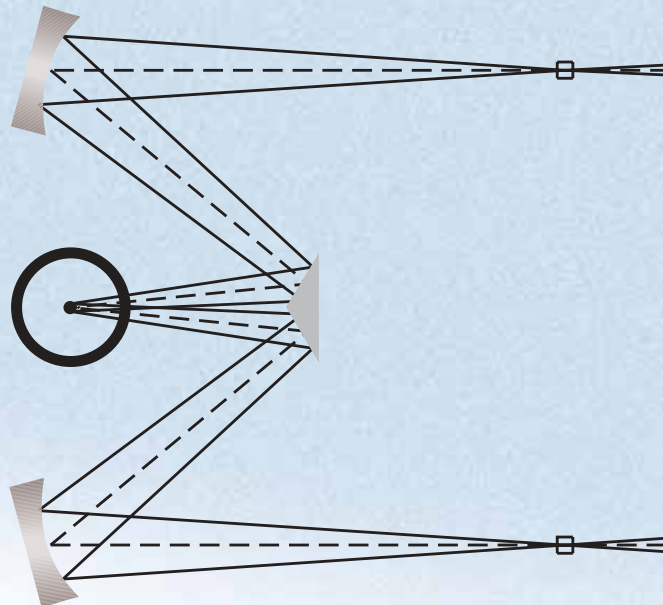
- **Extended photometric range**
- **Accurate measurements even at very high concentrations**
- *Modern computer-optimized optics*
- *Compact optics design*
- *Proven, efficient monochromator*

CONFIDENCE IN YOUR DATA

- **Consistent performance now and in the future.**
- *Optics protected from lab environment*
- *Reproducible and reliable signal processing*
- *True symmetrical optics and electronics*
- *Automatic wavelength calibration at switch on*

DIRECT USABILITY WITH MICROCUVETTES

- **Microcuvettes fit directly into the standard cell holder without adapters or beam masks to enable sensitive small-volume measurements**



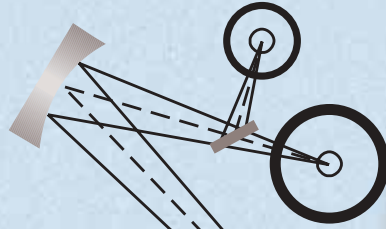
XPS XL

Optics

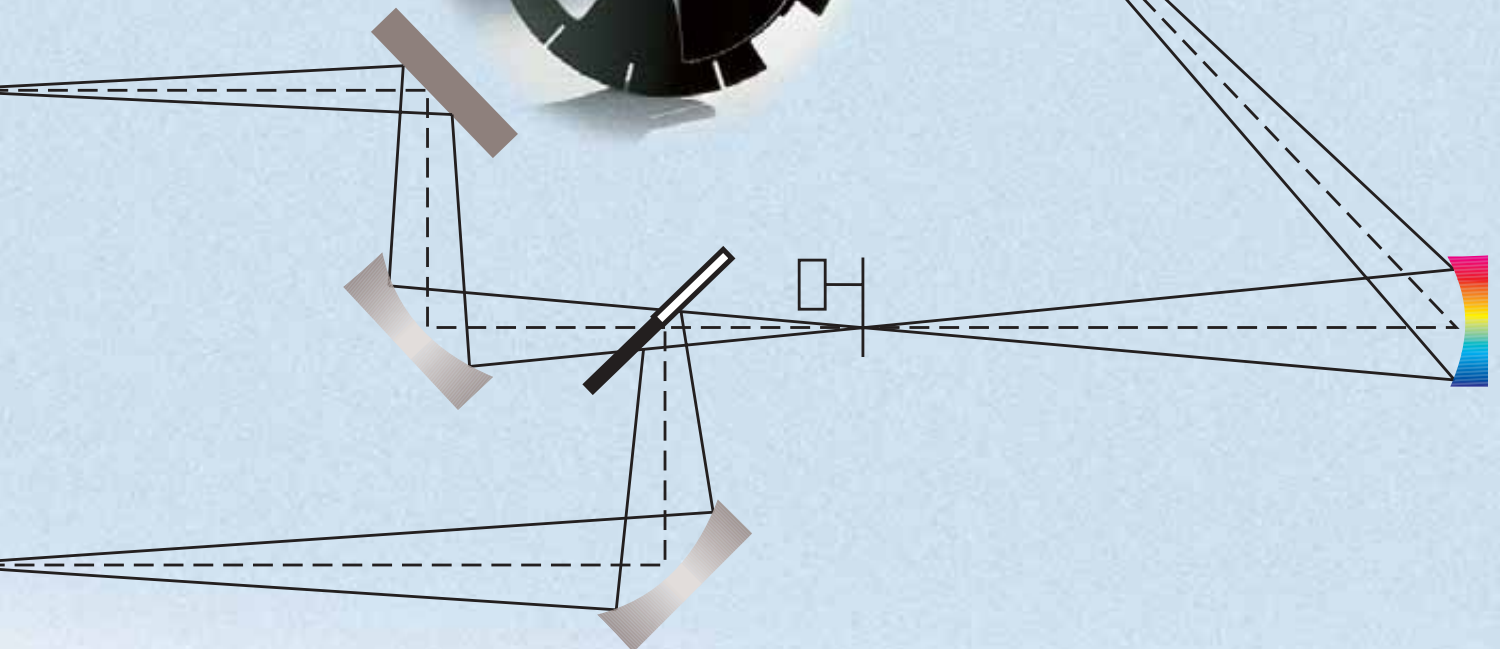


Lamps compartment thermally isolated from optical bench

High-efficiency Zeiss™ grating designed for maximum optical throughput and low stray light



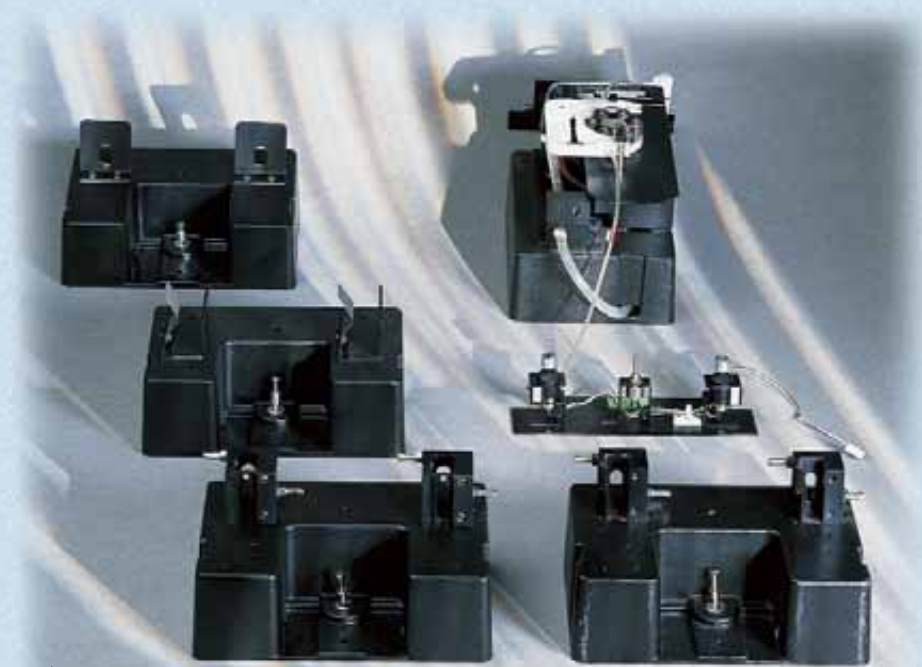
Chopper system corrects for any change in lamp output and dark current 100 times per second (120 at 60Hz)





Supplemental tools for quick, easy analysis

SECOMAM offers a complete range of accessories for the UVIKON spectrophotometers. Designed for reliability and built to exacting standards, each accessory is pre-aligned. Each accessory quickly mounts in the sample compartment such that it is already in its optimized location with no need for tools.



- *Peristaltic sipper with sample return and thermostatable flowcell holders*
- *Temperature sensors*
- *Magnetic stirrer*
- *Long path rectangular cell holder (up to 100 mm)*
- *Long path cylindrical cell holder (up to 100 mm)*
- *Filter and solid sample holder*

The UVIKON's QuickLock feature allows installation and exchange of accessories without tools in a matter of seconds.



Integrating sphere for turbid samples or reflectance measurements of solids

X5 Accessories



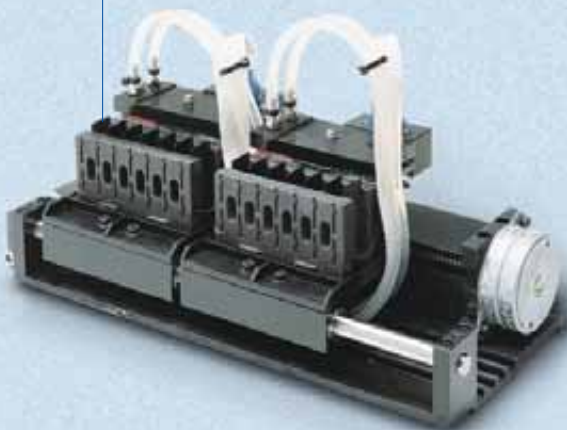
Thermopack —
external Peltier thermostating
system



Automatic water-thermostatted
sample changer for simultaneous
analysis of up to 10 enzyme reactions

Thermosystem —

Software controlled,
Peltier thermostatted accessory
for nucleic acid thermal melts



Performance validation kit
with filters and software

Every Uvikon comes fully tested and includes
a factory Certificate of Performance.
All test data is archived at the
factory for full traceability



CERTIFICATE OF PERFORMANCE
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