



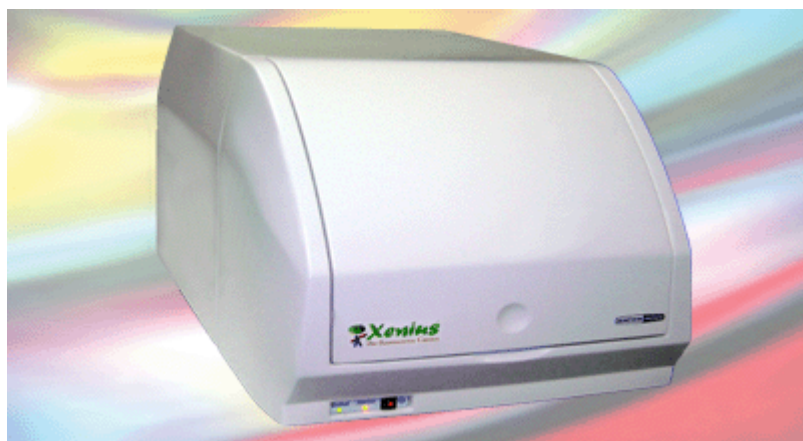
TECHNOLOGICAL LEADER IN SPECTROSCOPY SINCE 1952

... YOUR ANALYSIS DESERVE OUR PERFORMANCES

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## Grating-Monochromator Microplate reading spectrophotometer SAFAS Xenius XMA: accuracy and evolutivity

SAFAS XMA is a grating-monochromator microplate reader spectrophotometer. Featuring a very high sensitivity, thanks to its 100% AIR technology (NO FIBER OPTICS!) and superb optics, it is not only able to select accurately the wavelengths without any additional filter, but also to achieve spectra scans. It is evulative, and can be fitted later with a second monochromator for fluorescence, with automatic polarizers for fluorescence anisotropy, fiber optics for external measurements, bioluminescence, automatic injectors, etc...



### SAFAS XENIUS XM : Exceptional performances on microplates

The SAFAS Xenius XMA is a grating monochromator spectrophotometer, which profits by the unique experience of SAFAS, which introduced in 1958 the world's first grating UV-Vis spectrophotometer, and is highly reputed for its outstanding optical quality, experience and performance.

It is based on highly innovative technologies and superb optics, as well as 100% AIR TECHNOLOGY (no fiber optics!), so as it enables to reach excellent accuracy levels.

It can draw spectra in your wells, as well as in cuvettes (option), with a scan speed up to 7000nm/minute and many data-processing functions.

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### Many options are available

SAFAS Xenius XMA can also receive cuvettes (option), achieve kinetics on 10 cuvettes and at up to 10 wavelengths, or achieve HPLC studies. It can also achieve Absorbance and Luminescence measurements, including spectra, and several specialized software can be used (intracellular calcium, follow-up of series of samples, etc...).

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### An evolutivity and multivalence unique on the market

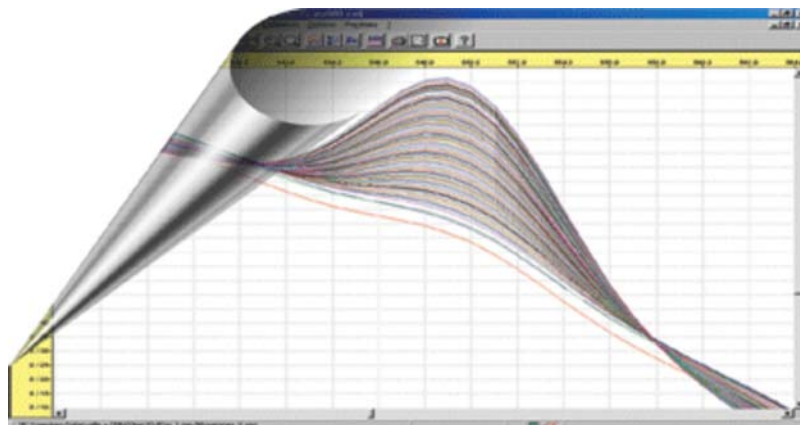
The spectrophotometer SAFAS Xenius XMA can also receive later many other options, like a second monochromator for Fluorescence, fiber optics for in situ measurements, a high sensitivity photon counting bioluminescence module, automatic injectors, absorbance mode (on cuvettes and microplates), bioluminescence with additional photon counting photomultiplier, etc... All these possibilities are available without any dismantling.

## Exceptionally powerful software

Last but not least, the software are intensively developed by SAFAS since 1988, when SAFAS introduced the world's first PC controlled spectrophotometer, button free.

Since then, all our customers have profited by our policy of free software update for instrument's life, making their investment a very long term one and avoiding obsolescence of their equipment.

Among many possibilities, our multiwavelength module for series of samples, our intracellular ions module, and our 3D spectra module are among the most impressive.



### Nota:

-most of the possibilities described hereunder are optional: please ask us

-for software updates, a participation to CD and shipment is requested

## MAIN TECHNICAL FEATURES (depending on options)

<b>spectral range</b>	200/230 to 1000nm depending on the source
<b>scan speed</b>	up to 7000 nm/minute
<b>bandwidth</b>	fixed (an be selected at the order), optionally continuously variable from 2 to 20nm on excitation and emission monochromators, by steps of 0.1nm
<b>analytical techniques</b>	Absorbance, Fluorescence, Luminescence, Anisotropy (depending on options)
<b>fluorescence spectra available, depending on options</b>	excitation, emission, synchronous and 3D, with automatic data processing (even on microplates)
<b>kinds of samples</b>	microplates (without fiber optics, 100% air technology), and depending on options: cuvettes, mesurements in situ with fiber optics, dewar for low temperature measurements, integrating sphere, etc...

SAFAS - MANUFACTURER OF SPECTROPHOTOMETERS (UV, VISIBLE, ATOMIC ABSORPTION, INFRA-RED, FLUORESCENCE), SPECTROFLUOROMETERS, LUMINOMETERS, MULTIDETECTION MICROPLATE READERS, ELISA, ANALYZERS

**SAFAS Monaco** - Société Anonyme de Fabrication d'Appareillages Scientifiques

Head Offices : 10, quai Antoine 1er - MC 98000 Monaco

Deliveries and pick-up : 9, avenue de la Quarantaine - MC 98000 Monaco

Phone : +377 99 99 52 52 - Fax : +377 99 99 52 50

Customer service : +377 99 99 52 52 | eMail: [safas@safas.com](mailto:safas@safas.com)

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