



TECHNOLOGICAL LEADER IN SPECTROSCOPY SINCE 1952

... YOUR ANALYSIS DESERVE OUR PERFORMANCES

SAFAS EASYSPEC: THE Quality Near UV-Visible spectrophotometer, with EBERT mount monochromator

SAFAS Easyspec is a Quality Near UV-Visible spectrophotometer, with Ebert mount monochromator.

Easyspec

EASYSPEC: AFFORDABLE EXCELLENCE IN SPECTROSCOPY



Like high level spectrophotometers, and contrary to the cheap mounts generally found on instruments of the same category, Easyspec series are fitted with EBERT mount monochromators and quality optics, exclusively mounted on metallic holders (no plastic!). They consequently have a high accuracy, thanks to a very low straylight : $<0.05\%$ at 340nm, but overall $<0.5\%$ from 320 to 340nm, thus avoiding the big measurement errors involved by higher straylight levels.

And because long term reliability is as important as performances, Easyspec series are fitted with sealed optics, and NO chopper, so as to avoid an expensive-to-change wearing part. They have a narrow bandwidth of 5nm (2nm optional), an accuracy of $\pm 1\text{nm}$ and a repeatability of $\pm 0.15\text{nm}$, which make

them fit your most demanding requirements.

Using cuvettes of different pathlengths and/or tubes generally require laborious dismantlings, and purchasing corresponding holders. On the contrary, Easyspec series are fitted standard with an UNIVERSAL HOLDER for cuvettes from 5 to 50mm pathlength, and tubes of 13 and 25 mm.

The instrument is fitted in standard with a serial port (for computer connection), and optionally with a printer port and a 0-1V analog port.

REMARKABLY LOW OWNERSHIP COSTS

Thanks to their exceptionally long life lamp, Easyspec series do not involve ownership costs, all the more that there is no chopper or wearing part in the optics. And because they are rugged in user's hands, they guarantee a long term satisfaction, even in the most difficult conditions of use.

SAFAS EASYSPEC SPECTROPHOTOMETERS ARE SO SIMPLE TO USE!

Ease of use is an important criterium: that's why we have fitted Easyspec series with a nice embedded software, powerful but VERY easy to use and user friendly. The software is driven thanks to a 22 key color keyboard, and a BIG backlit LCD display.

Two main menus are available, and it's easy for the user to toggle from one to the other by pressing a single key:

► a "dashboard" mode enables to view Simultaneously ALL the possible units and parameters (Identification, WaveLength, Abs, T%, Conc, equation of the calibration curve, and energy available)



► a ZOOM mode enables to display in Giant digits an unit, user selectable (Abs or T% or Concentration) and the wavelength

The measurements are continuously displayed, without requiring to press any key.

The embedded software also enables to achieve kinetics, calibration curves, to save methods with alphanumeric names, and achieve autodiagnosis; a built-in calibration Holmium filter enables to achieve automatic validation of the unit.

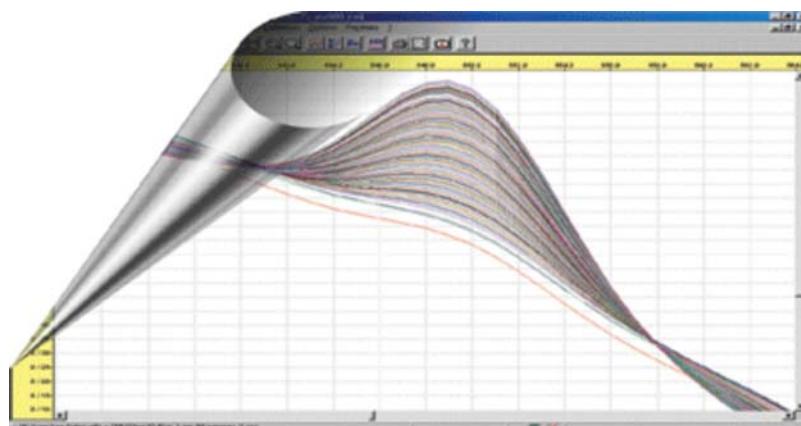
And like all SAFAS spectrophotometers, Easyspec series are delivered with a validation certificate, achieved with certified standards (NIST).

A POWERFUL AND USER-FRIENDLY OPTIONAL PC SOFTWARE

When connected to a PC computer (through serial cord, no interface required), Easyspec can be driven with outstanding power, including spectra with cursor, overlay, multizoom, unlimited mathematical combinations, derivatives up to 6th order, auto peak and valley search, smoothing, etc...

Kinetics can be achieved and processed with non-linear regression and curve fitting, derivatives, speed calculation, combinations, etc... Calibration curves can be achieved with unlimited number of standards.

Obviously, the software is compatible with XP, Vista, Windows 7 and Windows 8; and the updates and upgrades are free of charge for instrument's life, according to our Sustainable Spectroscopy (TM) exclusive concept.



MEAN FEATURES OF SAFAS EASYSPEC SPECTROPHOTOMETER:

Spectral range	320 to 1100nm
Photometric range	-0.2A to 3.5A, exceptional for this category of instruments !
Stability / photometric noise	0.0001 A (after pre-heating, depending on wavelength, at 0A)
Bandwidth	for EASYSPEC: 5nm (i.e. +/-2.5nm), for EASYSPEC+: 2nm (i.e. +/-1nm)
Accuracy of wavelengths	+/-1nm, repeatability +/-0.15nm
Straylight	<0.05% at 340nm (ASTM), but overall <0.5% from 320 to 1100nm
Data processing	Digital, achieved by the microprocessor
Outputs and ports	USB standard (RS232 -obsolete- on simple request), optional Parallel printer and Analog 0-1V
Sample holder	UNIVERSAL for cuvettes from 2 to 50mm P.L., and tubes of 13 and 25mm diameter
Standard	Standard Holmium Oxide filter built-in, with automatic validation utilities
External source emissivity	Optional, measurement of emissivity spectra of external sources thanks to fiber optics, no adjustments required, spectroscopy mode available

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

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