



**LEADER TECNOLOGICO IN SPETTROSCOPIA DAL 1952**  
...LE SUE ANALISI MERITANO LE NOSTRE "PERFORMANCE"

## **SAFAS EASYSPEC: LO spettrofotometro Prossimo UV-Visibile di Qualità, con monocromatore tipo EBERT**

**SAFAS Easyspec è uno spettrofotometro Prossimo UV-Visibile di Qualità, con monocromatore tipo Ebert.**

*Siamo spiacenti, questa pagina non è ancora disponibile in Italiano.*

# 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 +/-1nm and a repeatability of +/-0.15nm, 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

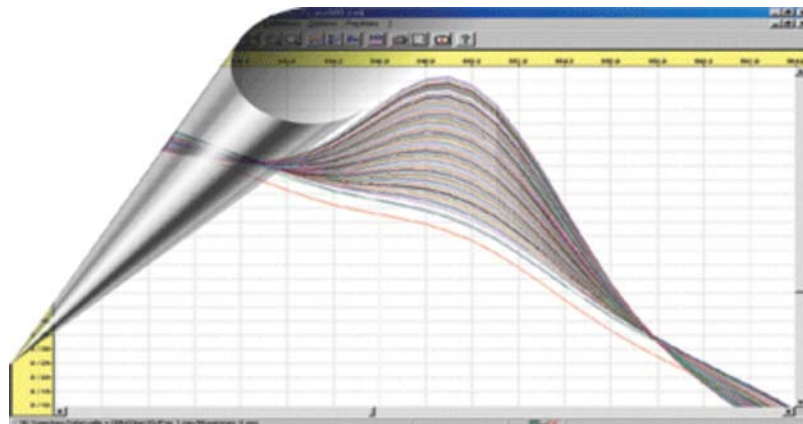
The measurements are continuously displayed, without requiring to press any key.

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:

Range fotometrico	320 a 1100nm
Range fotometrico	-0.2A a 3.5A - eccezionale per la sua categoria !
Stabilità - Rumore fotometrico	0.0001A (secondo lunghezza d'onda, dopo preriscaldamento, a 0A
Banda passante / Fenditura	per EASYSPEC: 5nm (i.e. +/-2.5nm), per EASYSPEC+: 2nm (i.e. +/-1nm)
Precisions lunghezze d'onda	+/-1nm, ripetibilità +/-0.15nm
Luce diffusa	<0.05% a 340nm (ASTM), ma soprattutto <0.5% da 320 a 1100nm - Linearità eccezionale a qualsiasi lunghezza d'onda !
Data processing	Digitale, per microprocessore
Outputs e ports	USB standard (RS232 su richiesta), opzionale port per stampante parallela e Analogico 0-1V
Porta-cuvette	UNIVERSALE per cuvette da 2 a 50mm P.L., e tubi da 13 e 25mm di diametro
Standard	Filtro standard all'ossido di olmio incluso, con utilitari di validazione automatica
Misure di emissività di sorgente esterna	Opzionale, tramite fibra ottica, con tracciato di spettri di emissione di luce e spettroscopo, disponibile ad ogni momento senza montaggio ne aggiustamento

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SAFAS - FABBRICANTE DI SPETTROFOTOMETRI (UV, VISIBILE, INFRA-ROSSO, ASSORBIMENTO ATOMICO), SPETTROFLUORIMETRI,  
LUMINOMETRI, LETTORI DI MICROPIASTRE, ANALIZZATORI

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