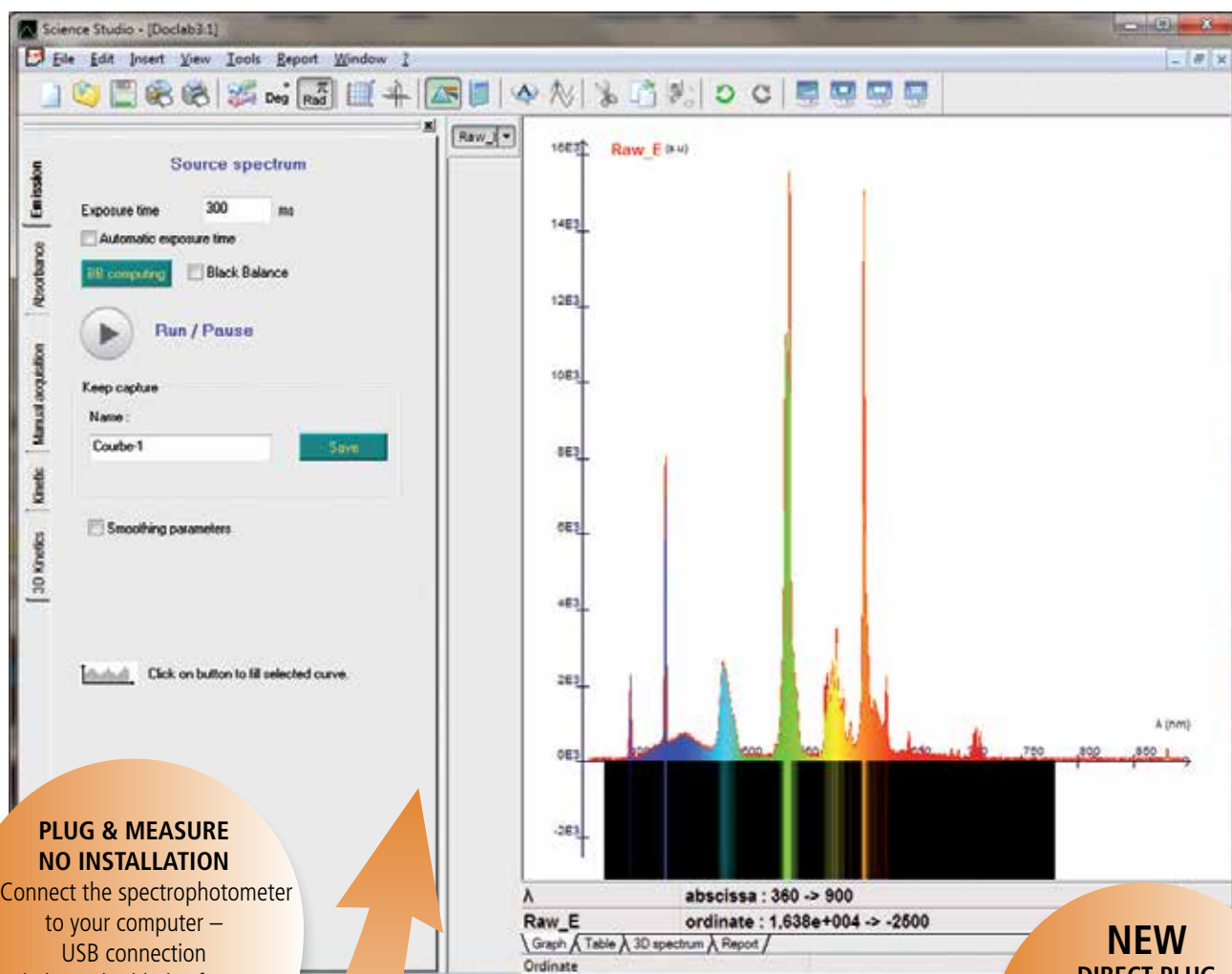


An innovative design for all your requirements

- > **Versatile** : Physics, Chemistry and Earth science
- > **Embedded** Easy & Usefull software
- > **Purpose** : Absorption, Emission & Flourescence Spectrum Analysis



PLUG & MEASURE NO INSTALLATION

- 1) Connect the spectrophotometer to your computer – USB connection
- 2) The embedded software starts automatically
- 3) The spectrum appears in real time

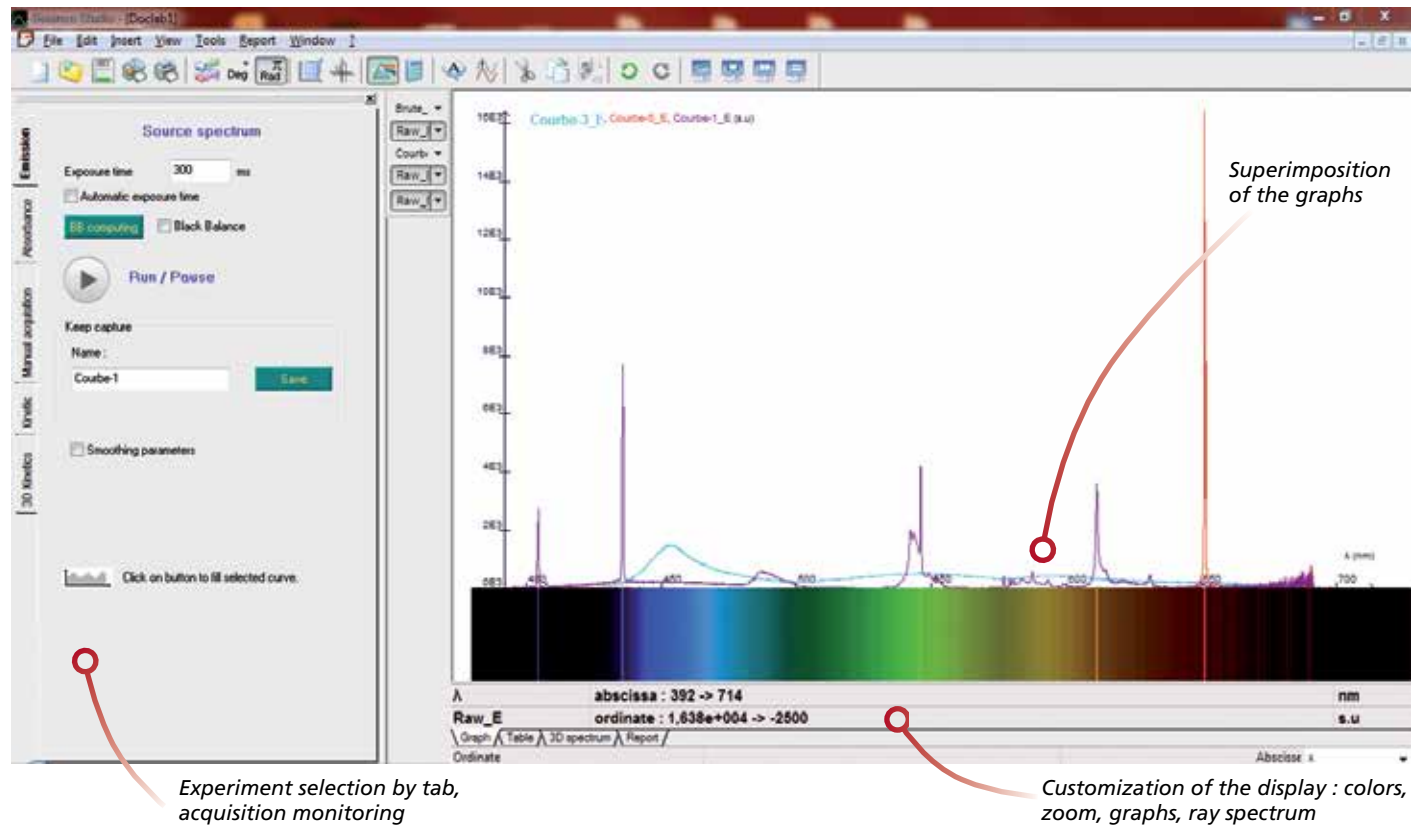
NEW DIRECT PLUG FOR YOUR CHEMICAL PRACTICAL EXERCISES

Magnetic tank holder to be added to the spectrophotometer (magnetic contact)

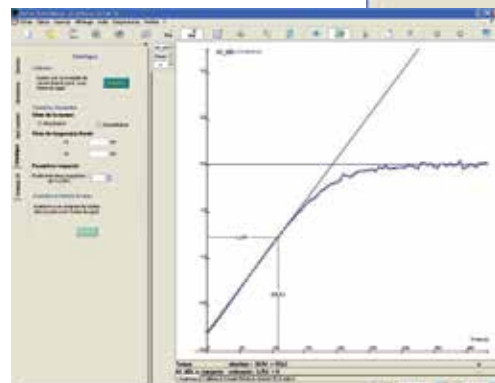


An intuitive software for simplified practical exercises

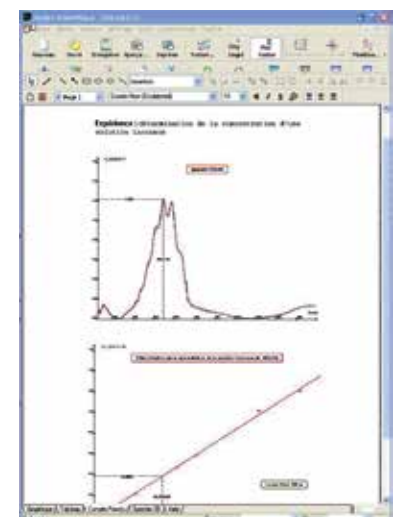
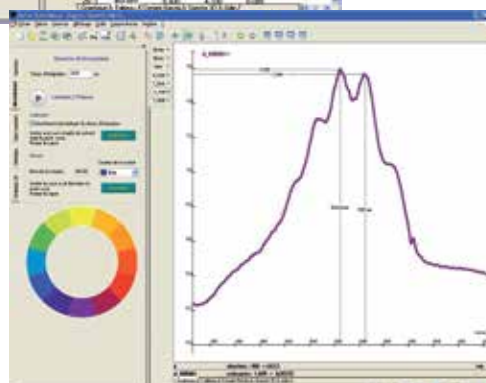
- > Visualize, measure, compare, process your data and write your report in the same software environment
- > No software installation / no driver required: the embedded software is automatically launched while connecting to the computer



Data display in spreadsheet



Data processing tools : modeling, graph plotting, tangent calculation

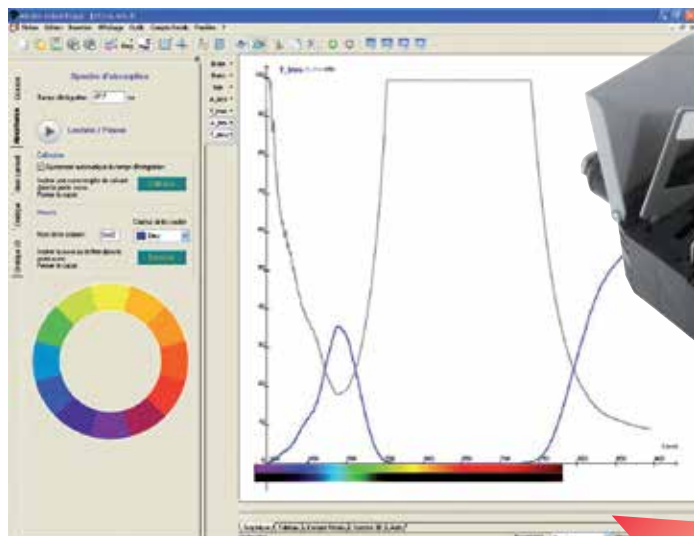


Write your report, add graphs and spreadsheets

Graph tools : zoom, pointer, text insertion

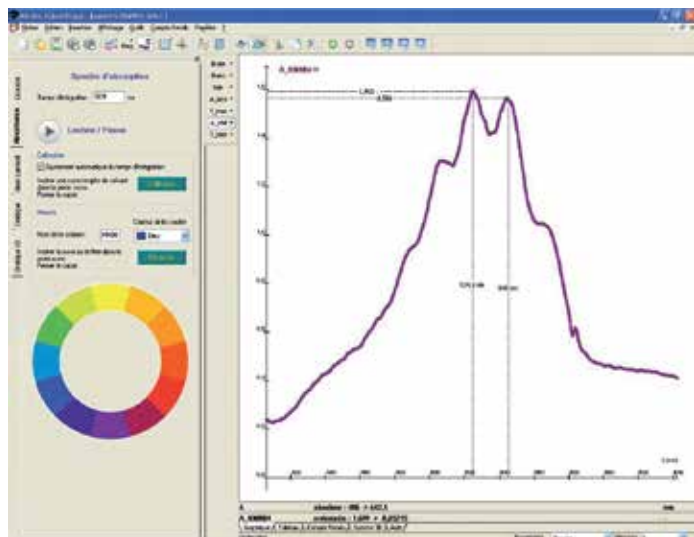
Ultra-versatile for all practical exercises levels

Study of filters



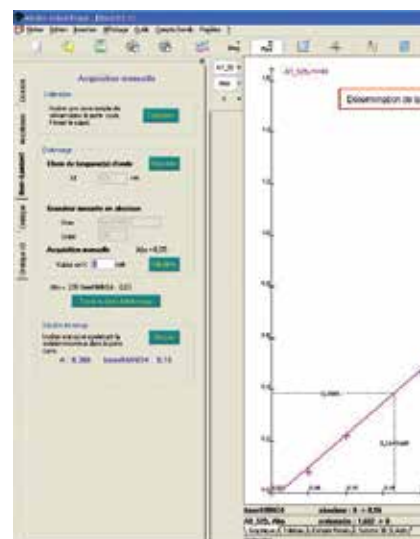
Up to 2 filters in the tank holder
(slide format or \varnothing 40 mm token)
Spectrum displayed in absorbance
or transmission

Absorption spectrum in chemistry



$KMnO_4$ spectrum

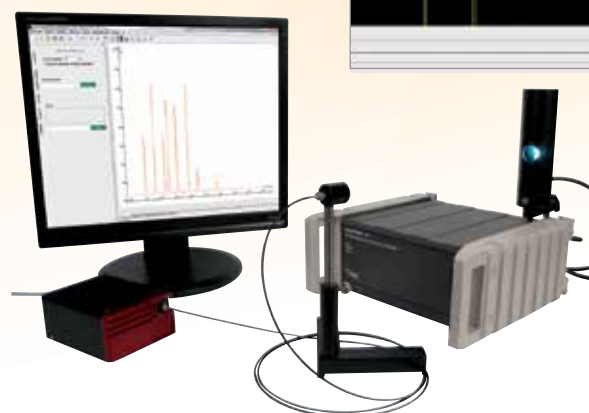
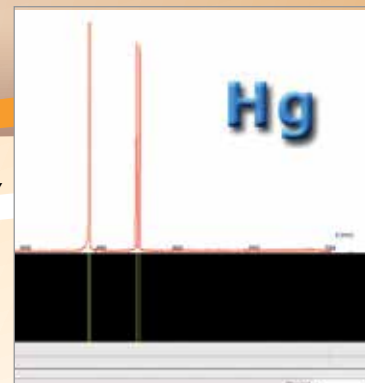
Beer-Lambert law



Concentration versus absorbance law

Emission spectrum of light sources

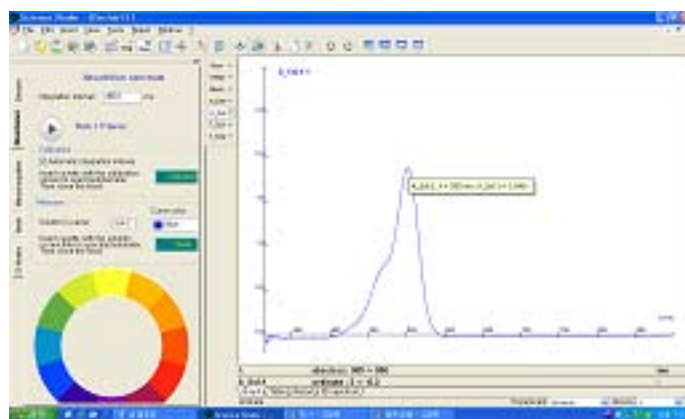
An high resolution for high quality spectrums : twin mercury wavelength resolution



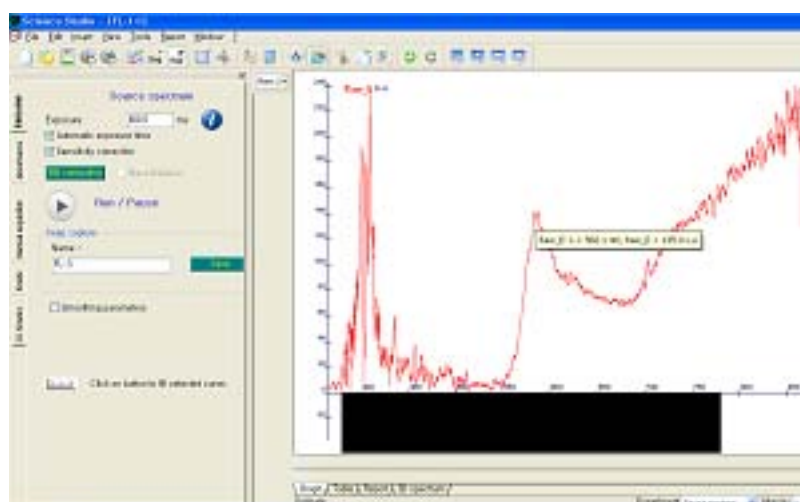
Emission spectrum measurement of a Hg-Cd spectral lamp



Flourescence Spectrum Analysis



Absorption Spectrum of Rhodamine B at $\lambda = 550\text{nm}$



Flourescence Spectrum of Rhodamine B at $\lambda = 582\text{nm}$

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at jeulin.com

Spectrometer

Ref. 202 895



Supplied with 2 m optical fiber ref. 202 859:

- Range: 360 – 900 nm
- Resolution: 1 nm
- CCD bar: 3648 pixels on line
- Vertical resolution: 16 bits
- Interface: USB 2.0

Spectrophotometer

Ref. 202 896



Complete pack delivered in a case, including:

- 1 Spectrometer ref. 202 895
- 1 tank holder ref. 202 857
- 1 optical fiber ref. 202 859

2m optical fiber (spare part)

Ref. 202 859



Length: 2 m
Connectors: SMA

Tank and filter holder

Ref. 202 857



Magnetic metal housing
Low consumption source
Compatible with tank for spectrophotometry, slides and \varnothing 40 mm



Need more information or demonstration ?
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