

mySpec[®] Integrated

Fluorescence removal through an optical make-up in a Plug n' Play setup



Laser specifications (standard)

- Excitation wavelength: 532 nm.
- Output power: 100 mW.
- Warm up time: < 5 min.
- Output power stability: +/- 5 % within 4 hours.
- Laser linewidth: < 0.1 nm.
- TE cooled.
- Reproducibility better than: +/- 1 nm.
- The laser can be customized to your needs.

Spectrometer specifications

- Implementation of twin slit for fluorescence removal.
- Spectral resolution: $\sim 8\text{cm}^{-1}$
- Spectral range: $300\text{-}3200\text{ cm}^{-1}$ / $400\text{-}3300\text{ cm}^{-1}$
- X-axis stability (according to temperature) : < 3 cm^{-1} .
- 16 bit signal resolution.
TE cooled CCD.

• Probe

- Fibre optic probe with *safety shutter*, for improved safety of personnel.
- 5 mm focal length.
- Power at sample (100 mW laser output): > 50 mW.

Other specifications

- 230 V AC power.
- Dimensions – 300 x 185 x 85 mm.
- USB 2.0 connection for data handling.
- Including laptop with Windows XP/Vista.

Software Features

- Complete graphical user interface for easy setup and use including all of the functions required for instrument control.
- Novel fluorescence rejecting algorithm implemented.
- Print facility for spectra and result window.
- Raman raw data acquisition.

Accessories included for the mySpec Integrated:

Handy aluminium suitcase for safe and easy transportation with special customized protection foam inside



Safety goggles for 532 nm lasers

Backscattering Raman probe ensures the quality of your measurements



Black sample container with aluminium lid
– optimize the process of measuring with this very handy container



1 ml glass vials with PE plug for easy sample handling, 300 pieces



Laptop with preinstalled software and travelling bag
– XP windows preinstalled
– mySpecSoft preinstalled (upgrades free of charge the first 12 months)

Distributed throughout the UK and Ireland by

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mySpec[®] Core

Fluorescence removal through an optical make-up in a Plug n' Play setup



Spectrometer specifications

- Implementation of twin slit for fluorescence removal.
- Spectral resolution: $\sim 8\text{cm}^{-1}$
- Spectral range: $300\text{-}3200\text{ cm}^{-1}$ / $400\text{-}3300\text{ cm}^{-1}$
- X-axis stability (according to temperature) : $< 3\text{ cm}^{-1}$.
- 16 bit signal resolution.
- TE cooled CCD.
- Compatible for 532 nm laser (FC connected)*
- FC connection for Raman probe*

Other specifications

- 230 V AC power.
- Dimensions – 210 x 185 x 85 mm.
- USB 2.0 connection for data handling.

Software Features

- Complete graphical user interface for easy setup and use including all of the functions required for instrument control.
- Novel fluorescence rejecting algorithm implemented.
- Print facility for spectra and result window.
- Raman raw data acquisition.
- Windows XP/Vista compatible.

Accessories included for the mySpec Core:

Handy aluminium suitcase for safe and easy transportation with special customized protection foam

Software

- mySpecSoft (upgrades free of charge the first 12 months)

*laser, laptop, goggles, vials + holder and probe not included

Other Accessories for the mySpec Core

532 nm lasers

Several specifications available

Safety goggles for 532 nm lasers

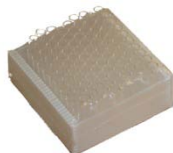
Backscattering Raman probe
- ensures the quality of your measurements



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