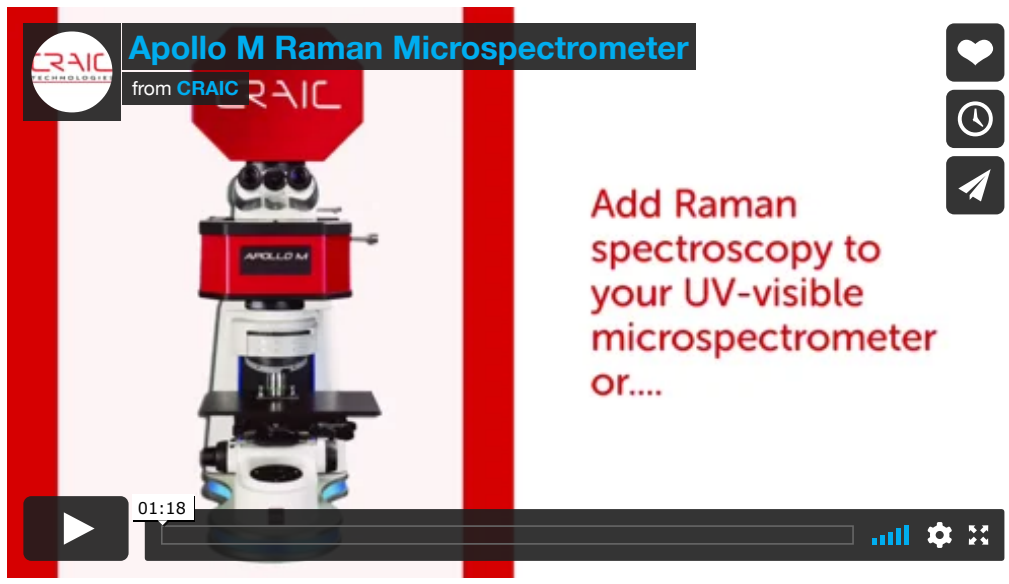
Your Modular Confocal Raman System

The Apollo M™ Raman microspectrometer is designed for both cutting edge research and for reliability and ease-of-use. With the Apollo M™, it is fast and, easy to acquire Raman microspectra™ so you can focus on sample measurements, not on operating your instrument. As such, it is perfect for advanced research, routine research, quality control and failure analysis. The Apollo M™ Raman microspectrometer employs optics, software and hardware all optimized for Raman spectroscopy of microscopic samples, along with a fixed confocal aperture for robust and reliable measurements. The Apollo M™ Raman microspectrometer is perfect for rapid, non-destructive analysis in fields such as life sciences, materials science, chemistry and physics.

The Apollo M™ Raman spectrometer features a modular and flexible design, and can easily be installed on an upright microscope for confocal Raman microspectroscopy. Solid state spectrometers are offered for speed and sensitivity. Scanning spectrometers are also offered for advanced research. A host of other features may also be included such as kinetic Raman and photoluminescence microspectroscopy, imaging and mapping of the Raman spectra with high spatial resolution. Modules can be used together for the ultimate in experimental flexibility.

The Apollo M™ Raman spectrometer can also be combined with other CRAIC microspectrometers to add a host of capabilities ranging from UV-visible-NIR microspectroscopy to film thickness measurements and much more. Call us today to learn how the Apollo M™ can help you.

Introduction



Features

Features

The Apollo M™ Confocal Raman microspectrometer: reliable, robust and powerful.

Key Features*

- High performance Raman microspectroscopy
- Robust, reliable and powerful
- Use alone or add to a CRAIC UV-VIS-NIR Microspectrophotometer (https://www.microspectra.com/products/2030-microspectrophotometer)
- Standard laser wavelengths offered include 405, 532, 633, 785, and 830 nm, with more available upon request
- Solid state Lightblades™ Raman spectrometers as standard option for high sensitivity and speed, but can be upgraded to scanning Raman spectrometers for ultra-high resolution and spectral range
- Photoluminescence microspectroscopy
- Raman spectral mapping
- Easy to use and maintain
- From *the* experts in microspectroscopy

Add to a Microspectrometer

Do more by adding Apollo M™ to a CRAIC microspectrophotometer:

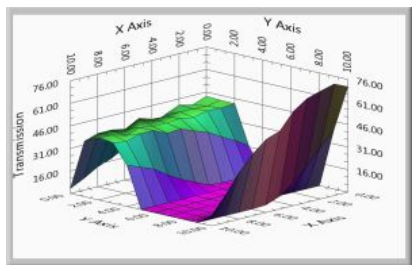
- Thin film thickness measurements (https://www.microspectra.com/products/craic-software/microspot-film-thickness).
- Colorimetry (https://www.microspectra.com/products/craic-software/colorimetry)of microscopic samples
- UV-visible-NIR absorbance microspectroscopy
- UV-visible-NIR reflectance microspectroscopy
- UV-visible-NIR fluorescence microspectroscopy
- UV-visible-NIR polarization microspectroscopy

- Manual or fully automated operation (https://www.microspectra.com/component/content/article/34-products/94-microspectrometer-automation)
- Precision temperature control (https://www.microspectra.com/component/content/article/34-products/219-thermal-stage) of samples
- Specialized software (https://www.microspectra.com/products/craic-software) including statistical analysis, spectral databases, image analysis and more

Spectral Surface Mapping

5D Hyperspectral Surface Mapping™ (https://www.microspectra.com/products/craic-software/5d-hyperspectral-mapping)

Combines hardware and software for automated spectral analysis and 5D mapping of samples with microscopic spatial resolution. 3D maps of the Raman spectra of samples may be generated.



Applications

Applications

- *Biology and Life Sciences*
- *Materials Science*
- *Graphene and Carbon Nanotubes*
- *Nanomaterials*
- *Geology*
- *Energy*
- *Chemistry*
- *Catalysts*
- *Physics*
- *Semiconductors*
- *Process Contamination Analysis*
- *Pharmaceutical Quality Control*
- *Explosives and Drugs of Abuse*
- *WMD Analysis*

Support

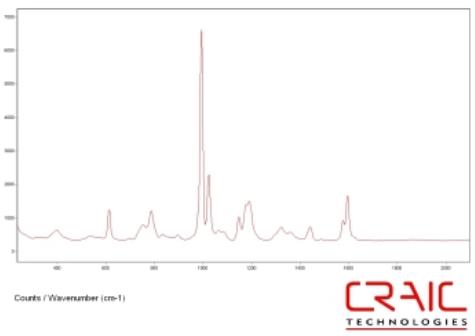
CRAIC Technologies provides service and support for it's instruments worldwide. CRAIC Technologies service engineers offer instrument repair, maintenance, training and technical support for all aspects of CRAIC Technologies products.

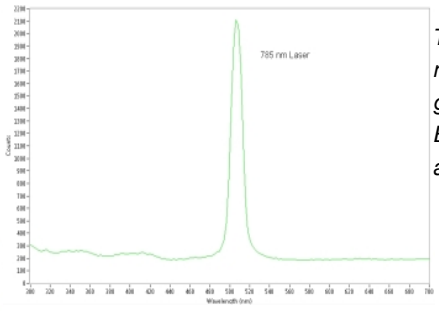
- Technical Support (https://www.microspectra.com/support/technical-support)
- Service Contracts (https://www.microspectra.com/support/service-contracts)
- Standards Recertification (https://www.microspectra.com/support/service-contracts)
- Preventative Maintenance (https://www.microspectra.com/support/service-contracts)
- Instrument Relocation Services (https://www.microspectra.com/support/service-contracts)

Contact CRAIC Today!

(https://www.microspectra.com/index.php?option=com_chronoforms&chronoform=product_information&productname=+RFI+for+Apollo+Raman)

The Apollo II™ Raman Microspectrometer can take Raman spectra quickly and easily. It performs Raman microspectroscopy in seconds.





The Apollo II™ Raman microspectrometer is a Class IIIB laser product. UV-visible-NIR microscopes, UV-visible-NIR microspectrometers and Raman microspectrometers are general purpose laboratory instruments. They have not been cleared or approved by the European IVD Directive, the United States Food and Drug Administration or any other agency for diagnostic, clinical or other medical use.

**Features and specifications depend upon instrument configuration. Specifications subject to change without notice.*

Tags: Raman, (/component/tags/tag/raman) raman microscope (/component/tags/tag/raman-microscope) raman microspectrometer (/component/tags/tag/raman-microspectrometer) raman spectrometer (/component/tags/tag/raman-spectrometer) resonance raman (/component/tags/tag/resonance-raman)

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