

# Apollo Raman

## Microspectrometer Module

### Apollo-532 and Apollo-785



### Superior Raman Microspectroscopy

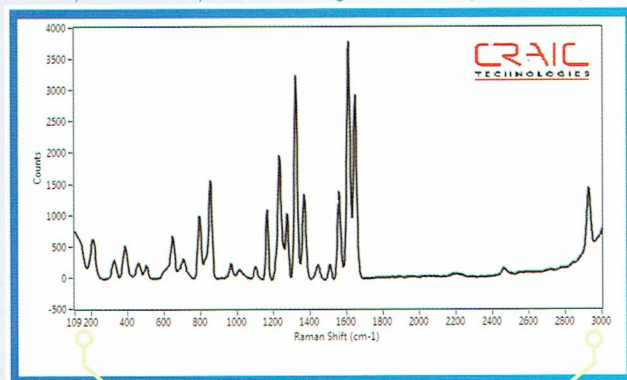
CRAIC Apollo-532™ and CRAIC Apollo-785™ Raman from CRAIC Technologies offers superior performance and ease of use. Incorporating robust lasers with high sensitivity Raman spectrometers and advanced spectral analysis software in a compact package, CRAIC Apollo™ Raman represents a significant advance in flexibility and power for Raman microspectroscopy.

Featuring a unique all solid-state design, our Raman microspectrometer is modularly designed to be combined with multiple laser purchases and then added to a microscope. Each unit is optimized for a particular laser and units may be integrated together on the microscope for Raman microspectroscopy. The Raman microspectrometer may also be upgraded easily by simply adding the modules you require.

In addition to being used as a standalone unit, Apollo Raman can be added to CRAIC UV-visible-NIR microspectrophotometers. This gives you the ability to take Raman spectra, in addition to UV-Vis-NIR reflectance, absorbance and fluorescence spectra of microscopic samples. No other instrument in the world has this capability to combine so many analytical techniques.

### CRAIC Apollo™ Raman Spectral Range

*Raman spectra of active pharmaceutical ingredients of a 14 μm area of a tylenol tablet.*



120 cm<sup>-1</sup>

3000 cm<sup>-1</sup>

### CRAIC Apollo™ SPECIFICATIONS

Excitation Source	
Wavelength (nm)	532*, 785
Bandwidth	< 0.02 nm
Output Power	50-100 mW**
Spectrometer	
Spectral Range	120 to 3000 cm <sup>-1</sup> ***
Sampling Area (20x)	14 μm
Detectors	
Type	TE cooled CCD
Integration Time	8 ms to 10 minute
A/D Resolution	16 bit
Dynamic Range	25000
Electronics	
Interface	USB 2.0
Input power	110-220 VAC

\* Specified wavelengths have an Output Power of 50 mW. \*\*ND Filter available for lower output

\*\*\*Actual range and resolution determined by system configuration.

<sup>1</sup>As we are continually striving to build better instruments, the specifications are subject to change without notice.

CRAIC Technologies, Inc. 948 N. Amelia Ave., San Dimas, California 91773 USA  
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