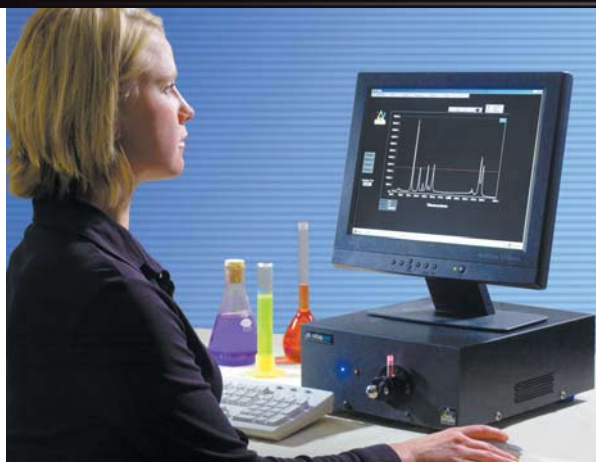


Looking for something **NEW** to teach?
Need textbook results fast?



Add Raman to your lab!



Easy to use...

"We have used the Delta Nu Raman Spectrometer in our quantitative analysis, instrumental analysis, and physical and organic chemistry labs. It is extremely easy to use and obtains very good results within the quoted specs. It is so easy to use that students use it instead of the IR spectro-photometer. We have used it for solids, liquids, and films with excellent results. We are extremely satisfied with the instrument and will expand its use this semester."

—Leon L. Combs
Kennesaw State University

Advantage 633™

Raman System

Delta Nu announces the Advantage 633 Raman system. It's perfect for academic settings and comes complete with:

- compact, sensitive and versatile Raman spectrometer
- computer with flat panel LCD monitor
- easy to use software
- complete package of accessories

and best of all ... prepared labs!

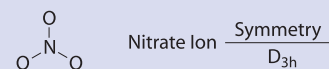
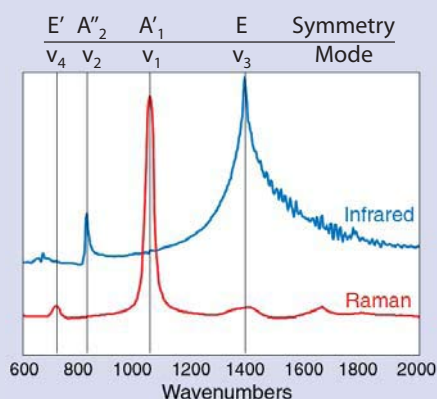
Easily demonstrate topics in analytical, physical, inorganic and organic chemistry. Choose from pre-tested experiments, each with instructor and student versions. Examples include:

- group theory and vibrational spectroscopy
- periodic trends using Raman spectroscopy
- adsorption isotherms using SERS
- instrumental analysis: ethanol & water

Advanced...

Teach advanced spectroscopic methods without expensive instrumentation. Information rich Raman spectra can be acquired in seconds. Compare to IR and show your students the role of symmetry in spectroscopy. Use our polarization mode to identify totally symmetric modes. Have them make their own compounds and perform their own assignments.

Applications Series: #2 – Symmetry



D_{3h}	E	$2C_3$	$3C_2$	σ_h	$2S_3$	$3\sigma_v$	IR	Raman
A'_1	1	1	1	1	1	1		x^2+y^2,z^2
A'_2	1	1	-1	1	1	-1		
E'	2	-1	0	2	-1	0	x,y	x^2-y^2,xy
A''_1	1	1	1	-1	-1	-1		
A''_2	1	1	-1	-1	-1	1		z
E''	2	-1	0	-2	1	0		xz,yz

