



i-Raman® Plus for Education

Inspire Discovery with Raman Spectroscopy

HIGHLIGHTS

- Research-grade system with proven teaching-lab experiments
- Sampling accessories for every situation: video microscope, fiber optic probes, and sample holders
- Lightweight for Point-of-Need Analysis
- Software for Qualitative and Quantitative Analysis
- Variety of SERS Options for Trace Analysis Applications



Introduce Raman in a whole new way

Lightweight and Rugged

Weighing just 5 kg, i-Raman Plus is ideal for effortless relocation from the teaching classroom to the student laboratory. The i-Raman Plus system's carrying handle and durable design support Raman experimentation, both in the lab and in the field.

Measure Any Sample

Fiber-optic probes ensure seamless measurement of any sample type for versatility and precision in your analyses. When equipped with our extensive selection of surface-enhanced Raman (SERS) substrates, even low-concentration samples are easy to analyze. Whether you're working with complex mixtures or trace amounts, the i-Raman Plus system delivers exceptional performance and clarity in every measurement.

No Raman Expertise Required

i-Raman Plus is designed for quick start-up and data collection within minutes, perfect for students. Our 5 educational labs support this by introducing the essential concepts of Raman spectroscopy – including reaction monitoring, material ID, and trace detection through SERS.

Versatile Software

Quantitative and qualitative analyses are both possibilities with i-Raman Plus. Our advanced software offers intuitive data analysis, real-time monitoring, and comprehensive reporting capabilities. With powerful algorithms for spectral interpretation and user-friendly interfaces, you can easily manage, analyze, and visualize your Raman data.



EDUCATION PACKAGE COMPONENTS

Instrument

840000340	i-Raman Plus 785S Laser wavelength: 785 nm Spectral range: 65-3350 cm^{-1} Spectral resolution: $<4.5 \text{ cm}^{-1}$ at 912 nm
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With E-grade Raman trigger probe, BWSpec software, polystyrene validation cap, laser safety goggles, and power accessories.

840000287	Vial Holder Adapter
840000395	Raman Probe Holder
67502010	Glass vials 15 mm x 26 mm
607506480	SERS Discovery Kit
840001313	Educational Laboratory Exercises

Optional upgrades

840001137	Vision Software
840000126	BWID Standard Software
840000961	Raman Video Micro-Sampling System Class
840000609	1 Enclosure
607506310	Silver colloid, 50 mL
607506360	Gold colloid, 50 mL
607506100	P-SERS Strips (Silver) Qty 50
607506130	P-SERS Strips (Gold) Qty 50