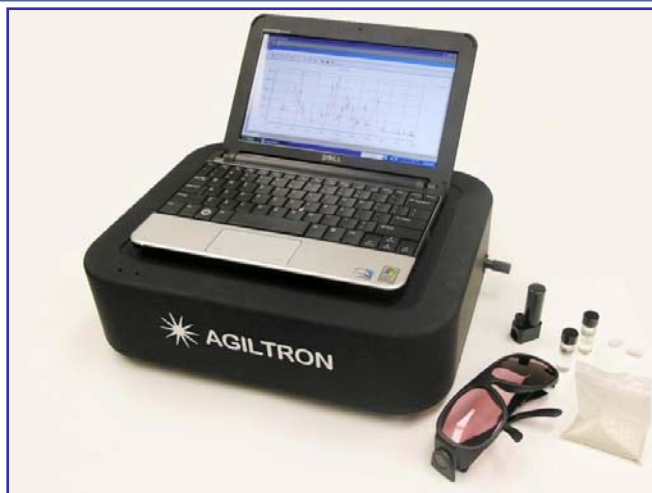


# PeakSeeker Pro™

Raman Systems Most Versatile System



The **PeakSeeker Pro** represents the state-of-the-art for an accurate, cost-effective and easy-to-use Raman spectrometer. The premier instrument in the Raman Systems family utilizes TE-cooled, high efficiency CCD detector arrays, and is available configured with either a 532 nm or 785 nm wavelength excitation laser selected by the system model number.

**PeakSeeker Pro** is extremely versatile for measuring multiple sample types. Sampling accessories include a vial holder for liquids and powders. User friendly software and USB connectivity enables truly plug and play operation. The external probe option accesses remote samples and interfaces to video microscopy options.

## Benefits

**Versatility:** The user can sample solids, liquids, and powders even when inside transparent packaging and containers such as bags, bottles and vials.

**Sensitivity:** The **PeakSeeker Pro** fully meets the stringent requirements of USP Monograph 1120 for resolution, sensitivity and stability. The detector array is cooled to -20 C. Deep blocking laser rejection filters obstruct Rayleigh scatter and isolate Raman scatter for valuable molecular analysis.

**Portability:** The spectrometer is small and lightweight. Rugged construction and ergonomic design allow it to be carried just about anywhere and set up for immediate use.

**Simplicity:** Each **PeakSeeker Pro** system includes a notebook PC pre-loaded with **RSIQ™** software for true point-and-click operation. Sample spectra are acquired within seconds.

**Adaptability:** Optional software add-ons:

**RSIQ-QUAL** enables substance ID by a database search of thousands of reference spectra using commercially available spectral libraries. Users can also create unique libraries.

**RSIQ-QUANT** is a multivariate analysis tool and

**RSIQ-CFR** supports 21 CFR Part 11 compliance for cGMP electronic records and signatures.

## Specifications

Model Number	PRO-785	PRO-785E	PRO-532
Excitation Wavelength (nm)	785	785	532
Laser Power (mW)	5 to 300	5 to 300	100
Spectral Range, Raman Shift (cm <sup>-1</sup> )	200 to 2000	200 to 3900	200 to 4500
Spectral Resolution (cm <sup>-1</sup> )	~ 6	~ 10	~ 10
Wavelength Stability (cm <sup>-1</sup> )		< 1 in 12 hours	
Photometric Stability		< 1% in 12 hours	
Optics	NA = 0.22, Sample size = 0.1 to 0.3 mm		
Power	AC 5V, 100/240 V @ 50/60 Hz		
Size	(W) 14.2 in, (D) 7.5 in, (H) 4.3 in (36 X 29 X 11 cm)		
Weight	< 8 lb ( 3.6 Kg)		
Operating Temperature (°C)	-25 to 45		

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The standard version of the **PeakSeeker Pro** includes an internal probe for routine sampling, and minimizes the footprint when available laboratory bench space is limited.

Order code example: PRO-785

The “X” option for the **PeakSeeker Pro** includes an external probe for sampling versatility and the ability to interface to the RSM Raman Video Microscope or the MSK Microscope Kit.

Order code example: PRO-785-X



## Software

**RSIQ™** (included)

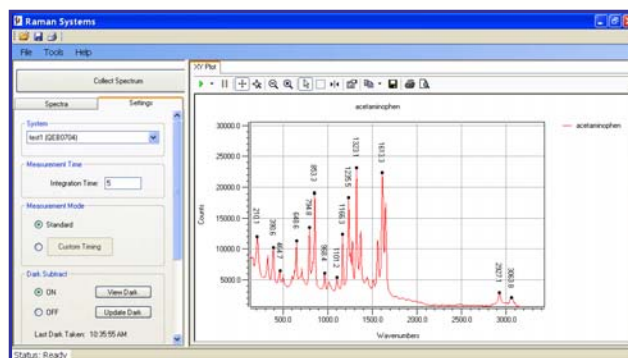
### Raman Spectroscopy Software Spectral Acquisition and Display

- ❖ User-friendly interface, routine analysis
- ❖ One-touch data acquisition
- ❖ Two data formats: SPC and ASCII
- ❖ Easy instrument verification
- ❖ Spectral smoothing & peak labeling

### **RSIQ-QUAL** (sold separately) Simplified User Interface for Routine Material-ID

- ❖ Database matching and reporting
- ❖ Build unique spectral database
- ❖ Calculation of search “hit quality”
- ❖ Commercial database with over 8000 materials (sold separately)

中文 Chinese language software available.



### Add-on Options

- ❖ RSIQ-QUANT  
multivariate analysis tool
- ❖ RSIQ-CFR  
supports 21 CFR Part 11



CLASS IIIb LASER PRODUCT  
AVOID DIRECT EXPOSURE TO BEAM

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