

# PinPointer™

The “Point, Click, Done” Handheld Solution for Substance Identification



The **PinPointer™** packs a full-featured Raman spectroscopy system in a remarkably affordable true handheld format. The lightweight unit is controlled by a pocket-size Windows® computer and features easy-to-use **RSIQ™** software for fast point-and-click operation. An optional software module add-on **ID-find™** provides one-touch identification of unknown substances by immediate comparison of a measured spectrum to the on-board Raman spectral library.

## Specifications

Excitation Wavelength	785 nm
Laser Power	5 to 300 mW
Raman Spectral Range	200 to 3000 cm <sup>-1</sup>
Spectral Resolution	~12 cm <sup>-1</sup>
Raman Shift Stability	< 1 cm <sup>-1</sup> in 12 hours
Photometric Stability	< 4% in 12 hours
Collection Optics	NA = 0.28, working distance = 5 mm spot size < 0.2 mm
Power	Rechargeable battery, >4 hr charge
Size	8.5" x 4.3" x 2.5" (215 x 110 x 64 mm)
Weight	3 lb. (1.4 kg)
Operating Temperature	-25 °C to 70 °C

## Benefits

### Easy and Fast Substance Identification

Many substances emit a characteristic light when illuminated with a laser, the so-called Raman effect, that uniquely identifies molecular structure. With a touch of a button, the **PinPointer** collects this emitted light scattered from a targeted object. The optional **ID-find** software will search thousands of stored reference material spectra to identify unknown substances. Within seconds, the detected chemicals are identified and displayed to the system user.

### Affordable, Compact, High Performance

The **PinPointer** provides the same performance as other handheld Raman spectrometers aimed at homeland security or on-site chemical identification but costs much less.

### Wide Chemical Coverage

The **ID-find** software database covers most organic and inorganic substances encountered in the field by law enforcement, first responders, and homeland security personnel. A specialized chemical database can be added upon request. Users can also create their own custom spectral libraries.

### Substance ID of Packaged Materials

Solid, powder or liquid samples can be analyzed while still contained in plastic bags or glass or plastic bottles.

*Specifications subject to change without notice.  
Windows® is a registered trademark of Microsoft Corp.*

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*U.S. Patents 5982484, 6897951*

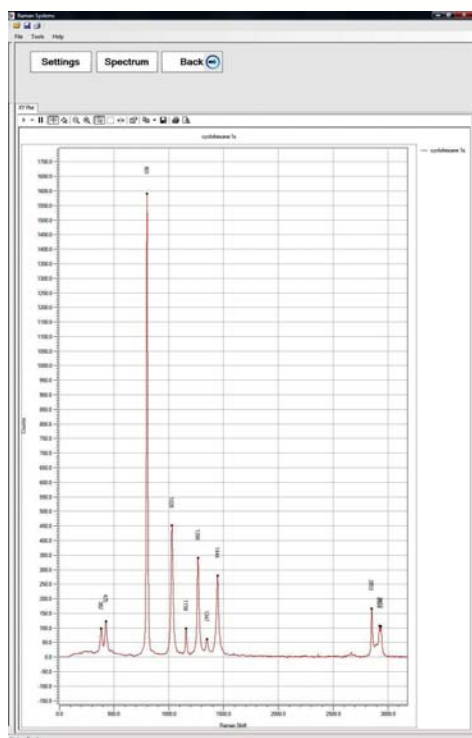
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## RSIQ™

Raman Spectroscopy Software  
Spectral Acquisition and Display

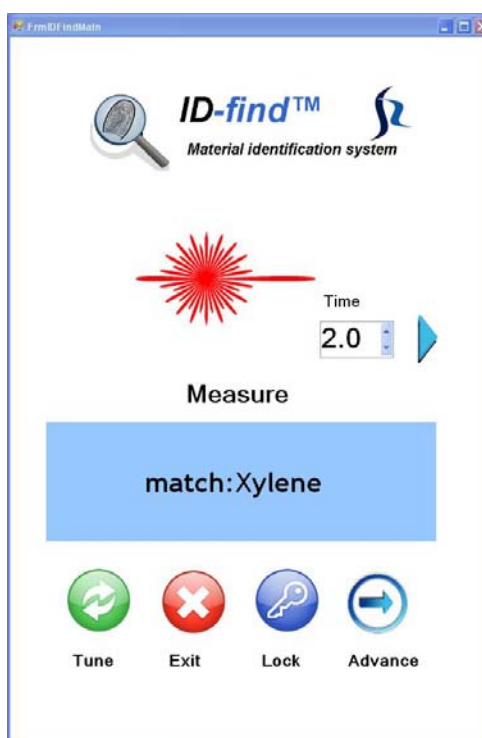
- ❖ User-friendly interface, routine analysis
- ❖ One-touch data acquisition
- ❖ Two data formats: SPC and ASCII
- ❖ Easy instrument verification
- ❖ Spectral smoothing & peak labeling



## ID-find™

Simplified User Interface  
for Routine Material-ID

- ❖ Easy to use GUI for the non-expert
- ❖ One-touch data acquisition
- ❖ Build a unique spectral database
- ❖ Add a commercial spectral database with thousands of materials



## Add-on Modules Sold separately

- ❖ RSIQ-QUANT  
*multivariate analysis tool*
- ❖ RSIQ-CFR  
*supports 21 CFR Part 11  
cGMP electronic records*

中文 Chinese language  
software available.

## Accessories

- ❖ Storage/Travel Case
- ❖ Liquid Sample Holder (for 8 mm vials) →
- ❖ Laser Safety Goggles



CLASS IIIb LASER PRODUCT  
AVOID DIRECT EXPOSURE TO BEAM

