

# 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 **ID-find™** software that 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 $\text{cm}^{-1}$
Spectral Resolution	$\sim 9 \text{ cm}^{-1}$
Signal-to-Noise Ratio	250:1 (at full signal)
Collection Optics	NA = 0.28, working distance = 5 mm spot size 0.1 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 Raman scatter effect, that uniquely identifies molecular structure.

With a touch of a button, the **PinPointer** collects and analyzes this scattered light from a chemical under test. The included **ID-find** software can search thousands of stored reference spectra to identify unknown substances. Within seconds, the detected chemical is identified and its name and properties displayed.

### Affordable, Compact, High Performance

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

### Wide Chemical Coverage

The included **ID-find** software will search a database of more than 10,000 chemicals to find a match within a few seconds after data acquisition.

Specialized chemical databases are sold separately. 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 or vials.

*Specifications subject to change without notice.  
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U.S. Patents 5982484, 6897951*

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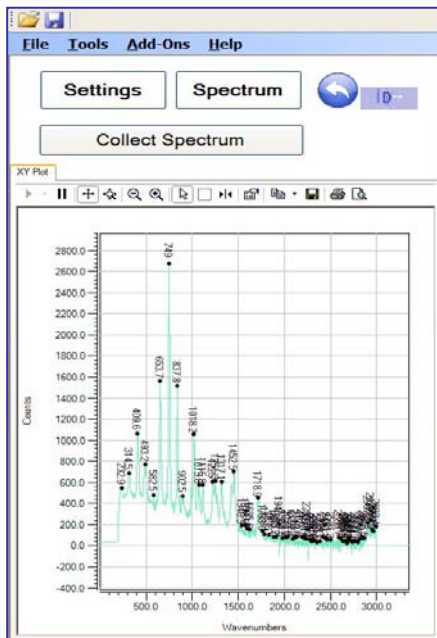
## ID-find™ Software

Simplified GUI for non-experts with spectral software TOOLS for technicians

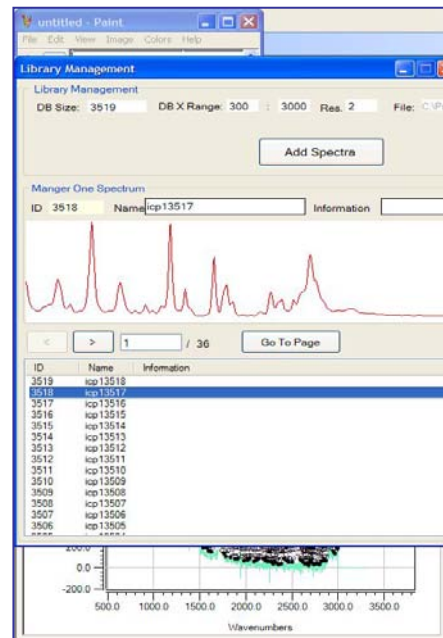
### Substance Identification



### Spectral Analysis



### Library Search Manager



- ❖ Touch screen GUI
- ❖ Easy for non-experts
- ❖ Color coded results

- ❖ Plot measured spectra
- ❖ Edit saved files
- ❖ Modify scan settings

- ❖ Plot library spectra
- ❖ Create new libraries
- ❖ Add to saved libraries

### Add-on Module Sold separately

RSIQ-CFR  
supports 21 CFR Part 11  
cGMP electronic records

### Hardware Accessories

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



中文 Chinese language  
software available.

CLASS IIIb LASER PRODUCT  
AVOID DIRECT EXPOSURE TO BEAM

