

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 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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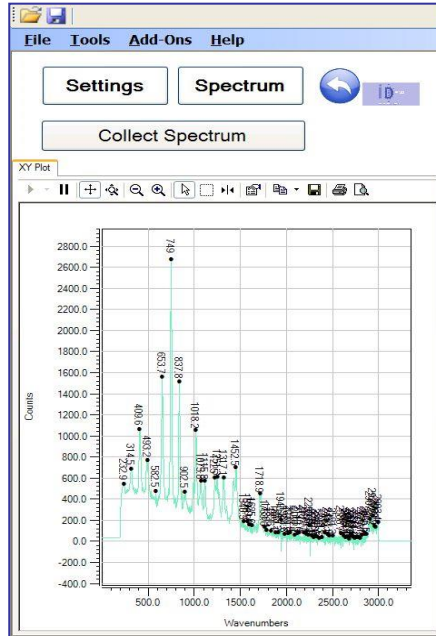
ID-find™ Software

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

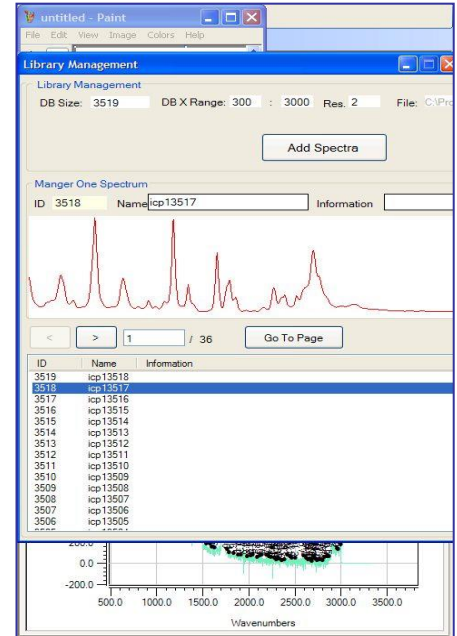
Substance Identification



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

*Product dimensions may change without notice. This is sometimes required for non-standard specifications.

中文 Chinese language software available.



CLASS IIIb LASER PRODUCT
AVOID DIRECT EXPOSURE TO BEAM

