

Portable Raman Analyzer for Liquid



FI-Lite

Series

Finder Insight[®] Family

FI-Lite Portable Raman Analyzer is a high-performance Raman Spectrometer suitable for liquid sample; It can be applied to on-site rapid inspection; The whole machine adopts a one-piece protection design which is convenient and practical.

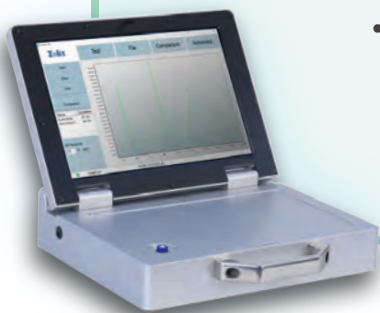
FI-Lite series with two wavelengths like 785 & 830 as options. FI-Lite with extensive applications such as food and drug safety on-site rapid inspection, SERS enhancers and many other applications.

Applications

- SERS(Surface Enhanced Raman Spectroscopy)
- Food & Pharmaceutical Fast Inspection
- Pharmaceutical-Raw Material Detection
- Agriculture & Environmental Science
- Chemistry and Materials Science
- Custom & OEM Applications

Features & Benefits

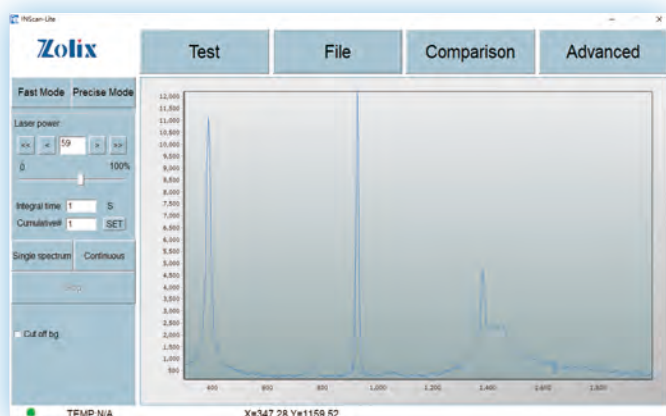
- The design of laptop overhead make more sturdy and durable
- Heat dissipation design without fan ensure stability and reliability
- 10" Large Capacitance Touch Screen
- Interactive human-computer interface, easy to operate
- Build-in library to achieve fast comparison
- Battery lifetime is more than 4 hours
- Universal using Windows OS , convenient for customer to process & analyze data
- Fast check using Android OS, recommended with SERS enhancers, flexible for rapid on-site testing



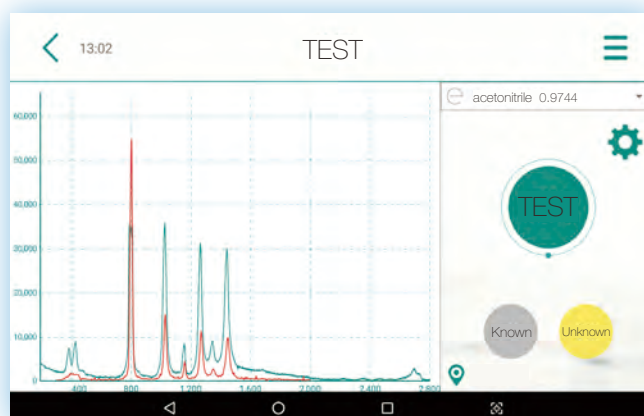
Specifications

Part Number	FI785-Lite-A FI785-Lite-W	FI785E-Lite-A FI785E-Lite-W	FI830-Lite-A FI830-Lite-W	FI830E-Lite-A FI830E-Lite-W
Laser Wavelength	785nm		830nm	
Laser Power	0-350mW			
Laser Linewidth	<0.1nm			
Spectral Range	200-2750cm ⁻¹		200-2500cm ⁻¹	
Optical Resolution	8-12cm ⁻¹			
Detector Type	Room temperature CCD	Cooling CCD	Room temperature CCD	Cooling CCD
Operation System	-A: Android 7.1; -W: Windows 10			
Software	Android/ Windows: Raman Spectrum Software app			
External Power	DC: 12V@4.17A; AC: 100-240V, 50/60A, 1.7A			
Built-in Battery	10200mAh, 75Wh			
Dimensions	300*240*70mm, 4kg			

Windows Raman Spectrum Software

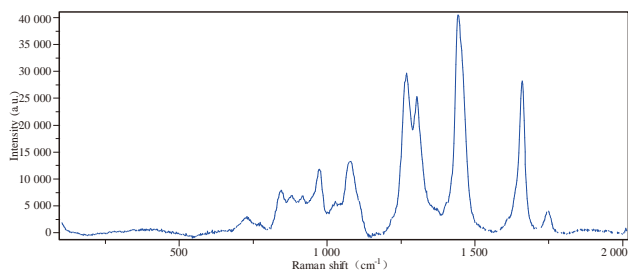


Android Raman Spectrum Software

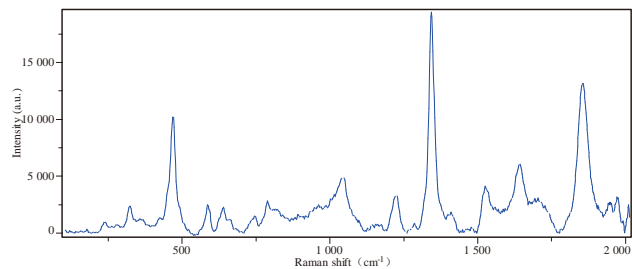


Test Cases

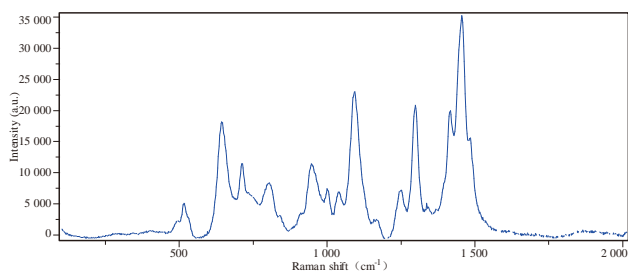
Pharmaceutical: Evening primrose oil



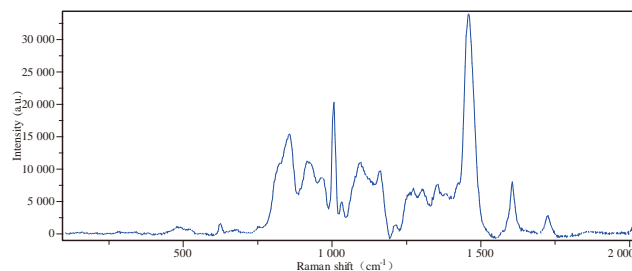
Luminescent Material: Noctilucent Powder



Materials and Chemical Industry: Silane Coupling Agents



Civil domain of life: Air Freshener



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