FI-Lite Portable Raman Analyzer for Liquids, 785 nm or 830 nm Excitation

Model FI-Lite · waveqvanta.com/products/fi-lite-portable-raman-analyzer-for-liquids

Portable Raman analyzer for rapid on-site testing of liquid samples, including SERS-based screening.

The FI-Lite series is a portable Raman spectrometer for liquid samples and rapid on-site inspection. It is built into a rugged one-piece protective housing and is offered with 785 nm or 830 nm excitation. Typical uses include food and drug safety screening and measurements with SERS enhancement substrates.



Key features

- Excitation wavelength options: 785 nm or 830 nm
- Rugged laptop-style housing with one-piece protective design
- Fanless heat dissipation for stable, reliable operation
- 10-inch capacitive touch screen with interactive user interface
- Built-in spectral library for fast comparison
- Battery operation for more than 4 hours
- Windows version for general data processing and analysis; Android version for fast checks, recommended with SERS enhancers

Specifications

Sample Type	Liquids
Excitation Wavelength	785 nm or 830 nm (option)
Display	10-inch capacitive touch screen
Operating System	Windows or Android version
Spectral Library	Built-in, for fast comparison
Cooling	Fanless heat dissipation
Battery Life	More than 4 hours
Housing	One-piece protective design

Typical applications

- Surface-enhanced Raman spectroscopy (SERS)
- Rapid food and pharmaceutical inspection
- Pharmaceutical raw material testing
- Agriculture and environmental science
- Chemistry and materials science