

Product Datasheet

VipIR

Chemical Analyser

Combining FTIR and Raman spectroscopy with Smart Spectral Processing (SSP) the VipIR delivers a 3-in-1 chemical analyser solution, with a single confident result.

VipIR is easy to use, requires little training, and no regular maintenance. Users can follow the SmartID singular workflow and take the guesswork out of unknown chemical analysis or use their expert knowledge to employ FTIR and Raman as needed for specific samples.



Features

- 3-in-1 device with FTIR, Raman, and SSP.
- SmartID workflow – FTIR, Raman, and SSP analysis to refine and confirm results.
- Extensive library of drugs, TICs/TIMs, consumer products, chemical warfare agents and explosives – 39,000+ chemical spectra.
- Singular workflow, two analytical technologies (FTIR and Raman), with one, confident result.
- Flexible Raman probe and integrated vial holder for versatile sampling options.
- Support of SERS technique for low concentration applications.
- Sophisticated mixture analysis which can report all observable components in a mixture.
- Rugged, lightweight design for use in any conditions.
- Team Leader app for fleet management. View results, sample data, review spectra, and more after samples are analysed on scene.



Specifications

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|------------------------|--|
| Size | 37.1 cm × 21.8 cm × 14.7 cm |
| Weight | 4.3 kgs |
| Sample Type | Solids/Liquids, Containers with Raman probe, Vials |
| FTIR | 4000 - 650 cm ⁻¹ , 4 cm ⁻¹ res |
| Raman | 250 - 2875 cm ⁻¹ , 7 - 10.5 cm ⁻¹ res |
| Laser | 785 nm; up to 450 mW |
| Raman Sampling Options | Flexible sampling probe; SERS accessory; Integrated vial holder |
| Ruggedness | IP 67, MIL-STD-810G |
| Display | 5" Touchscreen |
| Power | Rechargeable Li-ion battery and wall power adapter |
| Communications | Wi-Fi, LTE, Team Leader App |
| Library | 39,000+ chemical spectra TICs, Narcotics, CWA, Explosives, Consumer Products, Chemicals |
| Decontamination | Spray, wipe-down or dunk with bleach or detergent |

Specifications are subject to change without notice.
For the most up-to-date specifications, please visit www.908devices.com

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