



The most advanced FTIR chemical analyzer for identifying chemical threats.



For the first time: gases, liquids and solids all in one portable FTIR spectrometer.

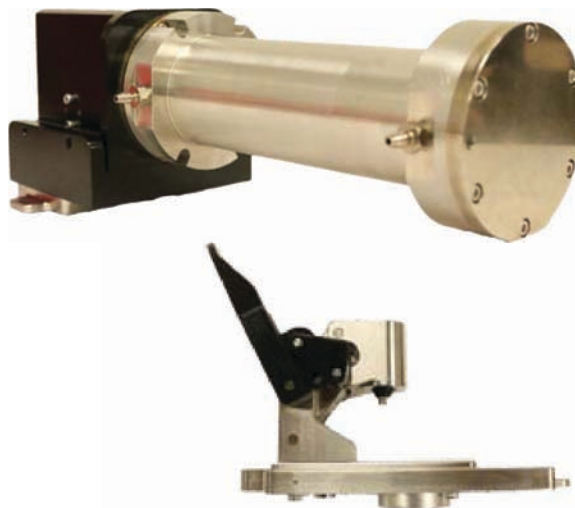
- Capable of identifying more than 23,000 solids and liquids
- Capable of identifying more than 5,000 gases and vapors as low as 25 ppm
- 4-meter gas cell
- Swap from solids & liquids to gas analysis (and back) in less than 10 seconds
- Various sample collection methods (Tedlar bags, PID w/ outlet, syringe, canister, pump, etc.)
- Multi-tiered analysis, variable investigative methods, & advanced tools for mixtures
- Real-time zoom and spectral manipulation on full color 10" display
- Fully decontaminable - designed for use anywhere on scene
- 40% smaller than existing suitcase systems
- Full analysis in less than 5 minutes



Because you don't know when you'll get a call for the unknown.

Comprehensive Identification

- Toxic Industrial Chemicals
- Narcotics (including Fentanyl & Fentanyl derivatives)
- Explosives
- Pesticides
- Weapons of Mass Destruction
- Chemical Warfare Agents
- Novichok Agents
- Common Household Chemicals
- Common Accelerants
- Common Consumer Products
- Industrial & Laboratory Chemicals



Detailed Specifications

Diamond ATR

Analyses: Liquids and Solids

Solids & liquids sensor with lever-actuated pressure device

Innovative Sure-Contact™ pressure device for solids

Gas Cell

Analyses: Volatile Organic Compounds

4 meter gas cell in a 6 inch body

316 stainless steel body for corrosion resistance

Volume: 160 ml

Operability & Capability

Operable in PPE and Level A gear - responsive to nitrile, tyvek, butyl gloves - with finger, gloved finger or stylus

Quad-Core 64-bit CPU, 4GB RAM, 64GB SSD

Operating System: Android

Display: 10" - HDMI PCAP w/ chemical hardened glass

Weight: 15 pounds

Upgradeable libraries

Integrated video microscopy with digital image capture

Dimensions: 14" x 10.6" x 6.12"

USB 2.0 interface, data downloadable to memory stick

Operability & Capability cont.

Internet connectivity via Wi-Fi, Hotspot or Ethernet

Visible threat alarms

4-hour battery life w/ additional Li-ion hot-swappable batteries

IP67 power connector

802.11 g wireless, Bluetooth

Real-time zoom and spectral manipulation on display

Fully decontaminable system

In-depth tutorial videos, user manuals, etc. on-board

Designed for both hot and warm zone use

Fast, large diameter optics for better quality spectra

Improved mixture analysis and search algorithms

Advanced background check for cleanliness

Full spectra overlays, automated mixture search, subtractions, residual search

Functional group classification overlays on screen

One-button "auto-email" instantly to send your data

One-button water removal from spectra

One-touch look-up of chemical properties

One-touch reporting: export via email or USB download

24/7/365 Reach back Support