

# Fido Verdict

Palm Sized Explosive &  
Narcotics Detector



*detection*

*chemical & explosives*

## OVERVIEW

Fido® Verdict™ is a small, lightweight and ruggedized instrument for rapidly identifying suspicious liquids, solids and powdered materials. Designed specifically to identify the explosives, liquid threats and narcotics commonly listed by the ATF and DEA, Verdict now allows military and law enforcement officials to do field-based analysis and evidence prioritization.

Building on the Fido pedigree of highly sensitive detection systems, Verdict uses well-established Raman spectroscopy to identify unknown materials directly through sealed containers. This identification method minimizes exposure to potentially dangerous chemicals. During interrogation, a spectrum is captured and compared against a focused, application-specific library to identify the primary components of the suspect sample. The simple three-button interface allows users to easily present a sample for interrogation and analysis. Results are provided in under 30 seconds and clearly presented on the LCD screen.

Used to screen the contents of containers, bags and bottles at checkpoints, Verdict provides military personnel, security agents and law enforcement officials with a portable, easy-to-use and effective tool in the fight against IEDs and illegal drugs.



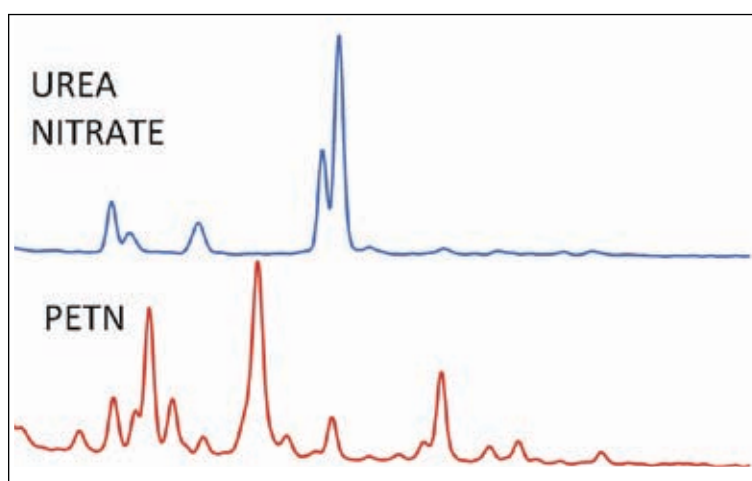
## APPLICATIONS

- Checkpoint screening
  - Bottled liquids
  - Gels
  - Powders
  - Solids
- Analysis of unknown substances possessed by suspected criminals or insurgents
- Confirmation of material contents

## OPERATION & MAINTENANCE

Proper operation of the Fido Verdict can be learned by most users in under an hour. The system requires no consumables and very little maintenance. Samples can be taken and identification returned in under a minute. Once an identification is made, the system is immediately ready to interrogate new samples.

## SPECTRA CHART



## SPECIFICATIONS

Technology	Raman Spectroscopy
Source	70 mW, 785 nm laser
Coverage	300 - 2000 $\text{cm}^{-1}$
Resolution	12 $\text{cm}^{-1}$
Consumables	None
Weight	14.6 oz, 415 g
Dimensions	3 3/8" x 1 5/8" x 7 1/2" 85 mm x 40 mm x 190 mm

