

# ACE-ID

NON-CONTACT EXPLOSIVES, NARCOTICS AND TOXIC CHEMICALS IDENTIFIER  
WITH ORS TECHNOLOGY

## Feature Highlights:

- Orbital Raster Scan (ORS) technology diffuses Raman laser energy to reduce the risk of heating/igniting explosives
- Rapidly identifies solids, liquids, gels and powders
- Proprietary mixture analysis software enables identification of up to two components within sample
- Integration software kit for remote operation and report generation
- Compact, robust and lightweight
- Easy to use, intuitive, graphical interfaces and requires minimal training



Utilizing Raman spectroscopy, **ACE-ID** enables non-contact analysis, yielding rapid results in seconds. Materials can be identified through translucent and semi-translucent containers such as plastic and glass. In addition, non-contact analysis is also supported by a software kit for remote operation. **ACE-ID** identifies solids, powders, and water based solutions as well as performs mixture analysis. **ACE-ID** is a class 3b laser system.

**ACE-ID** is ruggedized for use in severe climates and terrains. It is lightweight and can be operated with just one hand. An intuitive software interface guides users through the entire identification process, making it easy-to-use by personnel of different skill levels including military explosive ordinance disposal technicians, civilian bomb squads and haz-mat teams.

MIL-STD-810G certification pending.

# Technical Information **ACE-ID**

## General Specifications

Technology	Raman
Size	12.7 x 8.9 x 5.6 cm (5 x 3.5 x 2.2 in)
Weight	0.45kg (1lb)
Sampling	Point and shoot
Library	Approximately 500 substances consisting of explosives, precursors, narcotics, and toxic chemicals
User Library	Ability to add user defined samples via laptop
Start-up Time	Less than 20 sec at 20°C (68°F)
Detection Time	Less than 20 sec at 20°C (68°F)
Power	One lithium battery (SureFire or CR123A) or USB power source
Display	Touchscreen display (compatible with level A PPE gloves)
Connectivity	Micro USB
Operating Temperature	-20°C to +50°C (-4°F to 122°F)
Storage Temperature Range	-40°C to +70°C (-40°F to 158°F)
Operating Humidity	>95%
Color	Olive drab



*Fast and easy analysis of multi-layered liquids, no sampling required.*



*Ergonomically designed for one handed operation with touchscreen interface.*



*Orbital Raster Scan (ORS) technology diffuses laser energy, reducing the risk of heating samples and igniting energetic materials.*