

ACE-ID™

NON-CONTACT EXPLOSIVES IDENTIFIER WITH ORS TECHNOLOGY



Feature Highlights

- **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**
- **Orbital Raster Scan (ORS) technology diffuses laser energy to reduce the risk of heating samples and igniting energetic materials**

ACE-ID is a next-generation, handheld Raman identifier for explosives that analyzes solids, powders, and water based solutions as well as performs mixture analysis.

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 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 military explosive ordnance disposal technicians, civilian bomb squads and hazmat teams.

ACE-ID utilizes an advanced Orbital Raster Scan (ORS) optical platform to diffuse laser energy, reducing the risk of heating samples and igniting energetic materials. It provides operation using a rechargeable lithium battery and outputs an automated data report when required.

ACE-ID is backed by ReachBackID™, a first-rate 24/7/365 service and support program to ensure optimum product performance.

ACE-ID is a product from Smiths Detection, a leading worldwide provider of government regulated technology products and advanced services that aid in the detection and identification of chemical, biological, radiological, nuclear and explosive (CBRNE) material and other dangerous or illegal substances.

Technical Data **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

MIL-STD-810G certification pending



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.



CAUTION
INVISIBLE LASER RADIATION
AVOID EXPOSURE TO BEAM
CLASS 3B LASER PRODUCT
55 mW max at 785 nm
Complies with FDA performance standards except for deviations pursuant to Laser Notice No. 50: June 24, 2007
EN/IEC 60825-1 Ed. 2.0 (2007)

For product information, sales or service, please go to www.smithsdetection.com/locations

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