

# IFED

## In-Flight Detector for Explosives & Explosive Precursors

*Recent events have highlighted the fact that terrorists are as bent as ever on smuggling explosives onto aircraft and that security measures do not preclude terrorists from bringing explosives on-board aircraft.*



Dimensions: 10x7x3" | Weight: 410 gms

## Case Studies in Airplane Security

..... **American Airlines Flight 63** to Miami, FL (Dec. 22, 2001)

Richard Reid attempts *in-flight* detonation of shoe bomb but is stopped by crew members and passengers. New regulations require removal of shoes in airport security lines .....

..... **United Airlines Flight 74** to San Francisco, CA (Apr. 27, 2005)

Suspicious material results in emergency landing at O'Hare airport. Passengers are delayed for five hours while a bomb unit investigates. Suspect material turns out to be medicinal (homeopathic) liquid .....

..... **Air Canada Flight** to Washington, DC (Aug. 10, 2006)

Suspicious package left on airplane results in emergency landing in Baltimore, MD. Suspicious package is later determined to be a woman's handbag. Passengers are delayed several hours .....

..... **Northwest Airlines Flight 253** to Detroit, MI (Dec. 25, 2009)

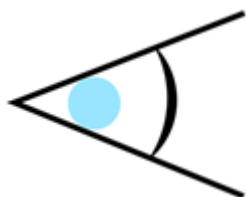
Umar Mutallab attempts to detonate PETN "underwear bomb" *in-flight* but fails and is subdued by aircraft personnel and passengers. Concern over the security of airplanes increases .....

..... **Northwest Airlines Flight 2364** to Orlando, FL (Jan. 2, 2010)

Suspicious package results in emergency landing in Nashville, TN. Passengers are delayed for several hours while a bomb squad investigates. Suspicious package is found to be Christmas ornaments .....

<b>Product</b>	<b>Materials Detected</b>	<b>Examples</b>
<b>Nitro-Pen™</b> <i>NITRO-PEN-01</i>	Explosive Residues of: <ul style="list-style-type: none"> <li>• Nitro-Organics</li> <li>• Nitramines</li> <li>• Inorganic Nitrates (Z-Pad)</li> </ul>	Nitro-Organics: TNT, Nitroglycerin, PETN... Nitramines: HMX, RDX... Inorganics: Ammonium Nitrate, Potassium Nitrate...
<b>On-The-Spot™</b> <i>DET-106</i>	Explosive Residues of: <ul style="list-style-type: none"> <li>• Inorganic Nitrates on Smooth and Rough Surfaces</li> </ul>	Ammonium Nitrate, Potassium Nitrate, Sodium Nitrate...
<b>Verifier™</b> <i>VF-04</i>	Explosive Precursors in Liquids: <ul style="list-style-type: none"> <li>• Flammables</li> <li>• Strong Oxidizers</li> </ul>	Flammable Liquids: Acetone, Gasoline, Hexane... Oxidizers: Hydrogen Peroxide, Hypochlorite...
<b>Gel-Ox™</b> <i>GO-07</i>	Explosive Precursors in Gels and Viscous Liquids: <ul style="list-style-type: none"> <li>• Strong Oxidizers in Thick Liquids and Gels.</li> </ul>	Oxidizers: Hydrogen Peroxide, Hypochlorite...
<b>Acid Test</b> <i>AC-01</i>	Strong Acids in Liquids or Residues on Surfaces.	Sulfuric Acid, Hydrochloric Acid...

## Contact Information



Online at: [www.ChemSee.com](http://www.ChemSee.com)

**Address**

840 Main Campus Dr. Ste. 3530  
Raleigh, NC 27606, [USA](http://USA)

**Phone:** +1.919.515.0741

**Fax:** +1.919.515.0743

**Email:** [customersupport@chemsee.com](mailto:customersupport@chemsee.com)