

# ChemSee: Explosives & Precursor Detection

## Nitro-Pen™

Detection Pen for TNT, DNT, RDX, HMX, PETN, Nitroglycerin and other explosive organic nitro compounds.

**P/N: NITRO-PEN-01**



The Nitro-Pen™ is a simple, rapid detector for TNT, DNT, RDX, HMX, PETN, Nitroglycerin and other explosive organic nitro compounds.

### Steps for Detecting Explosives

1. Break the first ampoule of the Nitro-Pen™ and rub the applicator tip on the suspect surface.
2. If a green/blue/black color forms on the surface or applicator tip, there is TNT, DNT or other explosive aromatic compounds present.
3. Break the second ampoule of the Nitro-Pen™ and rub the applicator tip on the suspect surface (in the same location as Step 1).
4. If a red/pink/orange color forms on the surface or applicator tip, there is RDX, PETN, DNB or other explosive aliphatic nitro compounds present.

## FEATURES

- Detects RDX, HMX, PETN, Nitroglycerin and other aliphatic nitro-organics.
- Detects TNT, DNT, and other aromatic nitro-organics.
- Selective detection prevents false positives and negatives.
- Sensitivity:  $10^{-6}$  to  $10^{-4}$  grams of explosive.
- Detection Time: Instant to 60 seconds.
- Very simple to use; even unskilled personnel can use it successfully in the field.
- Very low cost is much cheaper than laboratory analysis.
- Non-hazardous waste.

## CONTENTS OF BOX

- 10 Nitro-Pen™ Detectors
- Full Color Instructions

## COMMON USES

- Military Checkpoint Monitoring
- Airport Security
- In-Flight Explosive Detection
- Personal Security / Domestic Use

## OTHER EXPLOSIVE DETECTORS

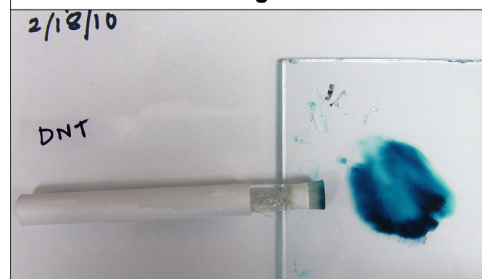
- IFED-01: In-Flight Explosives Detection Kit
- DET-106: On-The-Spot™ Detector for Ammonium, Potassium and other Nitrates and Nitrites on Surfaces
- OTS-NO: On-The-Spot™ Detector for TNT, PETN, HMX and other Nitro-Organics on Surfaces
- VF-04: Verifier™ Detector for Explosive Precursors (Flammables and Oxidizers)
- GO-06: Gel-Ox™ Detector for Hydrogen Peroxide and other Strong Oxidizers in Gels and Viscous Liquids
- AC-01: Acid Test Detector for Acid Residues.

## SPECIFICATIONS

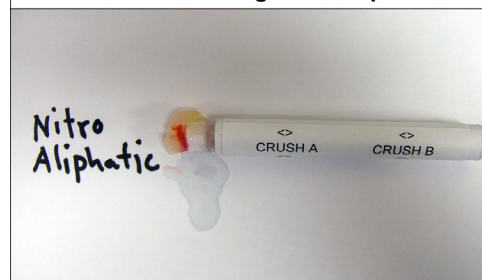
Box * Dimensions:	3.5 x 3 x 0.5 in (10 Detectors)
Box Weight:	60 grams
Pen Dimensions:	3 x 3/8(D) in
Pen Weight:	2.8 grams
Analysis Method:	Colorimetric
Shelf Life:	Greater than 12 Months
Testing Time:	Instant to 60 Seconds

## Examples of Detection Using the Nitro-Pen™ Detector

Nitro-Pen™: Detecting Traces of DNT



Nitro-Pen™: Detecting Nitro-Aliphatics



\* Each Box contains 10 Nitro-Pen™ Detectors

# ChemSee

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