

# SABRE 4000

HAND-HELD TRACE DETECTOR FOR EXPLOSIVES, CHEMICAL AGENTS, TOXIC INDUSTRIAL CHEMICALS OR NARCOTICS



## Feature Highlights

- Lightest trace detector available
- Added TIC detection capability
- Analyze either particle or vapor samples
- Weighs 7 lbs. with the standard 4-hour battery
- 3.5" color TFT display
- Automatic analysis results in seconds
- USB port

For those who work tirelessly to protect the public, everyday presents a new challenge. What will you be faced with today? Strange odors? Suspicious packages? Drugs?

You need to have an instrument by your side that can detect the widest range of substances.

The SABRE 4000 is the only portable trace detector that can detect threats from explosives, chemical warfare agents, toxic industrial chemicals or narcotics.

The SABRE 4000 can detect and identify over 40 of these threat substances in approximately 20 seconds. With a cold time start

of 10 minutes and weighing approximately 7 lbs. including the 4-hour battery, the SABRE 4000 is a small, powerful ally in the war on terror and drug trafficking.

With the added TIC detection capability, new features such as the 3.5" color TFT display and standard 4-hour battery, the SABRE 4000 is still the smallest, lightest hand-held trace detector available. It is also the only one that can detect and identify all the threats you face.

# SABRE 4000

## Trace Detection

A detection using the SABRE 4000 means that traces of a target substance have been found on the item sampled. This in turn means that the item or its handler has been in contact with the identified substance and appropriate actions need to be taken.

## Sample Collection

Proper sample collection is key to the success of any trace

detector. The versatile SABRE 4000 is capable of analyzing either trace particle or vapor samples, allowing the operator to apply the ideal sampling technique for the substance suspected.

For example, most explosive and narcotic substance do not have a strong vapor presence and in the real world are very difficult to detect by vapor. Therefore, the most reliable collection and

analysis method for those substances is particle collection. The nature of CW Agents and Toxic Industrial Chemicals make vapor sampling more appropriate for these substances.

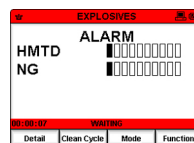
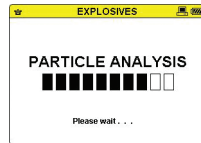
The SABRE 4000's ability to analyze either trace particle or vapor samples lets the operator decide which sample collection method will yield the most accurate analysis results.

## Technical Data

### General Specifications

Technology	Ion Mobility Spectrometry (IMS)
Drugs Detected	Cocaine, Heroin, THC, Methamphetamine and others
Explosives Detected	RDX, PETN, TNT, Semtex, TATP, NG, Ammonium Nitrate and others
Chemical Warfare Agents Detected	Nerve and blister agents such as Tabun, Sarin, Soman, Cyclosarin, Agent VX and Vx
Toxic Industrial Chemicals Detected	Hydrogen Cyanide (HCN), Phosgene, SO <sub>2</sub> , NH <sub>3</sub> and others
Display	3.5" TFT color display
Ready Time	Under 10 minutes from cold start
Analysis Time	Detection in 10 seconds, complete analysis in 20 seconds
Weight	7 lbs (3.2 kg) with the 4-hour battery
Size	14.5" x 4" x 4.5" (36,3 x 11 x 13 cm)
Operating Temperature Range	32°F to 113°F (0°C to +45°C), less than 95% relative humidity, non-condensing
Options	Protective cover with shoulder strap

Color-coded display shows status of instrument. Green when ready, yellow when analyzing and red when a detection is made.



## USA

### Scientific Division

Smiths Detection-Danbury  
21 Commerce Dr.  
Danbury, CT 06810  
T: +1 203 207 9700  
F: +1 203 207 9780  
Toll-free: 1 888 473 6747  
danbury@smithsdetection.com

### Civil Market

Smiths Detection Inc.  
30 Hook Mountain Rd.  
PO Box 410  
Pine Brook, NJ 07058  
T: +1 973 830 2100  
F: +1 973 830 2200  
USinfo@smithsdetection.com

### Federal Government/DoD Market

Smiths Detection  
1601 N. Kent Street  
Suite 200  
Arlington, VA 22209  
T: 1 703 682 5700  
F: 1 703 682 5699  
USinfo@smithsdetection.com

### Service

Smiths Detection-Danbury  
21 Commerce Dr.  
Danbury, CT 06810  
T: +1 203 207 9700  
F: +1 203 207 9780  
Toll-free: 1 888 473 6747  
support.danbury@smithsdetection.com

## Canada

Smiths Detection-Toronto Ltd.  
7030 Century Avenue  
Mississauga, Ontario  
Canada L5N 2V8  
T: +1 905 817 5990  
F: +1 905 817 5992

Smiths Detection Montréal Inc.  
950 Bergar, Laval (Quebec)  
Canada H7L 5A1  
T: +1 (450) 967 0010  
F: +1 (450) 967 7444  
mail.canada@smiths-heimann.com



833 Shannon Drive  
Crown Point, IN 46307  
Phone: 219-661-8964  
Fax: 219-661-8965  
sales@securmar.com