

# SABRE 4000

Hand-held trace detector for explosives, chemical agents, toxic industrial chemicals or narcotics



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

You need to have an instrument that can detect the widest range of substances. Smiths Detection is proud to introduce the next generation of hand-held trace detectors – the SABRE 4000 – 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 15 seconds. With a cold start time of 10 minutes and weighing approximately 7 pounds 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 facing you.

## Trace Detection

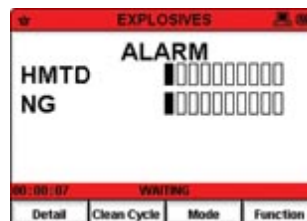
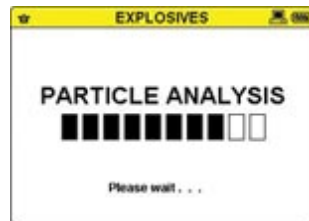
A detection using the SABRE 4000 means that traces of a target substance have been found on the item sampled. This in turn means that the item or its handler has been in contact with the identified substance and the appropriate actions need to be taken.

## 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 substances 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 those 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 results.



The color-coded display allows for quick identification of the status of the SABRE 4000 and analysis results.

## Features & Benefits

- 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

## Specifications

- Ion Mobility Spectrometry (IMS) technology
- Drugs detected include Cocaine, Heroin, THC, Methamphetamine and others
- Explosives detected include RDX, PETN, TNT, Semtex, NG, Ammonium Nitrate and others
- CW agents detected include nerve and blister agents such as Tabun, Sarin, Soman, Cyclosarin, Agent VX and V<sub>x</sub>, Nitrogen Mustard 3 and others
- TICs detected include Hydrogen Cyanide (HCN), Phosgene, SO<sub>2</sub>, NH<sub>3</sub> and others
- 3.5" TFT color display
- Ready in under 10 minutes from cold start
- Less than 15 second analysis time
- Weights under 7 lbs (3.2 kg) with 4-hour battery
- Size - 14.5" x 4" x 4.5" (36.3 x 11 x 13 cm)

- Options include protective cover with shoulder strap