

SABRE™ 4000

HANDHELD TRACE DETECTOR FOR EXPLOSIVES, CHEMICAL AGENTS, TOXIC INDUSTRIAL CHEMICALS AND NARCOTICS



Feature Highlights

- **Smallest, lightest Tri-Mode (Explosives, Narcotics, CW/TICs) detector available**
- **Proven IMS technology for sensitivity & accuracy**
- **Over 40 threat substances identified in seconds**
- **Particle and vapor sampling**
- **Automatic self-calibration**

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 start time of 15 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 tri-mode handheld trace detector available. It is also the only one that can detect and identify all the threats you face.

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

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SABRE 4000

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.

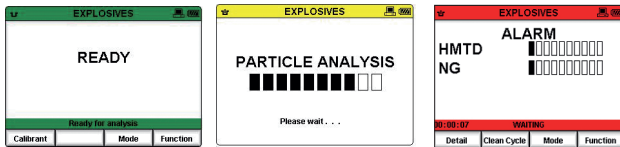
The nature of CW Agents and Toxic Industrial Chemicals make vapor sampling more appropriate for these substances.

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 ₂ , NH ₃ and others
Display	8.89 cm (3.5") TFT color display
Ready Time	Under 15 minutes
Analysis Time	Detection in 10 seconds, complete analysis in 20 seconds
Weight	3.2 kg (7 lbs.) with the 4 hour battery
Size	36,3 x 11 x 13 cm (14.5" x 4" x 4.5")
Operating Temperature Range	0°C to +40°C (32°F to 104°F)
Operating Humidity	0 to 95% 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.

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

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