

SABRE 4000 FR™

HAND-HELD VAPOR DETECTOR AND IDENTIFIER FOR
CHEMICAL WARFARE AGENTS AND TOXIC INDUSTRIAL CHEMICALS



Feature Highlights

- Chemical Warfare Agent & Toxic Industrial Chemical detection capability
- Continuous Auto Switching mode (Positive and Negative)
- Weighs 7 lbs. with the standard 4-hour battery
- Automatic analysis results in seconds
- 3.5" color TFT display

Detects:

CW AGENTS

- Tabun
- Soman
- Agent V_x
- Nitrogen Mustard
- Sarin
- Cyclosarin
- HNO₃
- Agent V_x

TICs

- NH₃
- Cl₂
- Phosgene
- Hydrogen Cyanide
- SO₂
- Etox
- HCl
- HF
- HNO₃

The SABRE FR is a hand-held trace detector that can quickly detect (4 seconds in Auto Switching mode) and identify harmful vapors such as chemical warfare agents and toxic industrial chemicals. The system can also be used to monitor an environment in a continuous sampling mode. Designed for Emergency Responders, the SABRE FR is a reliable, easy-to-use, easy-to-view, lightweight system.

To analyze vapors simply collect a sample by sniffing the area of interest with the nozzle located at the tip of the SABRE FR. When the SABRE FR detects a potentially harmful vapor the

user is alerted by an alarm and an easy to read color display detailing what was detected.

The portable SABRE FR system operates up to 4 hours on a fully charged battery. The SABRE FR can be connected to a PC for data viewing and programming using Instrument Manager (IM32) software.

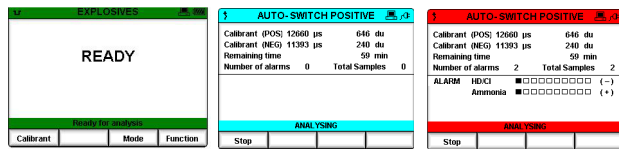
The SABRE FR is a reliable, highly sensitive instrument based on the proven Smiths (IMS) Ion Mobility Spectrometry technology.

SABRE FR™

Technical Data

General Specifications

Technology	Ion Mobility Spectrometry (IMS) technology
CW Agents Detected	Nerve and blister agents such as Tabun, Sarin, Soman, Cyclosarin, Agent VX and V _x , Nitrogen Mustard 3 and others
TICs Detected	Hydrogen Cyanide (HCN), Phosgene, SO, NH ₃ , Etox, HNO ₃ , HCl, Cl ₂ , and HF
Display	3.5" TFT color display
Ready Time	Under 10 minutes from cold start
Analysis Time	Less than 4 seconds in Auto Switching mode
Weight	Under 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)



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

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