PRODUCT SPEC SHEET

908devices

XplorIR

Continuously detect, identify, and quantify complex gas mixture threats in real-time



Accurate, Actionable Gas Identification

XplorIR® is the only handheld gas/vapor detector that can accurately detect, identify, and quantify over 5,600 chemical threats in seconds. Use XplorIR to continuously monitor environments or operate in point-and-shoot mode for isolated target intelligence. XplorIR also enables quantification of more than 5,000 chemicals, delivering actionable insights when time matters most.

Continuously monitor 5,600+ gas/vapors:

- Chemical Warfare Agents
  - Nerve Agents
  - Blister Agents
  - Choking Agents
- Hazardous Chemicals
  - TICs
  - TIMs
  - VOCs

Features:

- Clear, visible results in seconds
- Quantification of thousands of hazardous chemicals
- Adaptive atmospheric corrections
- Part per million (ppm) level sensitivity
- Simple operation
- Designed for use in harsh environments
- 24/7/365 Reachback
- Provides accurate ID of up to 6 components in real-time even within complex gas mixtures.





Specifications

Technology:	FTIR (Fourier Transform Infrared Spectroscopy)
Sample Type:	Gases/Vapors
Gas Measurement:	1.8 meters, multi-pass gas cell, 38ml volume
Size:	12.5" X 6.5" X 5.75" (31.75cm X 16.51cm X 14.61cm)
Weight:	5.5 lbs (2.49 kgs)
Operating Temperature:	0 to 50° C (32 to 122° F)
Operating Humidity:	0-95% non-condensing
Battery Life:	6 hours
Connections:	GPS WiFi (802.11 G)
Ruggedness:	Dust; Waterproof/Resistant; IP 54
Sample Pump:	Active, 1 l/min
Detection Time:	< 30 seconds
Libraries:	5,600+ Gases & Vapors TICs, CWAs, VOCs, WMDs, Industrial Chemicals, Solvents, Hydrocarbons
Power:	Rechargeable Li Ion battery
Database:	Threat Assist; integrated chemical information database
Decon:	Spray or wipe-down with bleach or detergent
Warranty/Support:	1 Year Warranty 24/7/365 Support Reachback with data analysis
Remote Data Access:	Team Leader App available for download on iOS, Android, and Windows devices

XplorIR is a registered trademark of 908 Devices, all rights reserved.
XplorIR is subject to export controls including those of the Export Administration Regulations of the U.S. Department of Commerce, which may restrict or require licenses for the export of product from the United States and their reexport to and from other countries. Patented technology www.908devices/patents © 2025 908 Devices FF-XI SS-0001 06-2026