

ProtectIR

Accurate identification of solid and liquid threats

Extensive Identification Capabilities

Confidently identify thousands of chemical threats anywhere with the portable ProtectIR. Compact and lightweight, it's the ideal "grab and go" platform for rapidly assessing chemical threats.

Identify 23,000+ Solids and Liquids:

- Hazardous Chemicals
 - TICs
 - TIMs
 - VOCs
- Narcotics, including fentanyl
- Explosives

Features:

- Clear, visible results in seconds
- Simple operation
- 24/7/365 Reachback
- Designed for use in harsh environments
- Built-in wireless communications



Specifications

Technology:	FTIR (Fourier Transform Infrared Spectroscopy)
Sample Type:	Solids, Liquids
Sample Interface:	Diamond ATR (Attenuated Total Reflectance)
Size:	12.5 x 7.75 x 4.75 in (31.8 x 19.7 x 12.1 cm), includes integrated carry handle
Weight:	5 lbs (2.27 kgs)
Frequency Range:	4000–650 cm ⁻¹
Resolution:	4 cm ⁻¹
Display:	4.3 in (10.9 cm); 480 x 272 pixels
Connections:	USB 2.0 WiFi (802.11 G)
Durability:	IP67, MIL-STD-810H
Search Technique:	Automated mixture analysis, up to five (5) components
Alarms:	Protein, Explosive, CWA, Water (as an interferent)
Libraries:	23,000+ Powders and Liquids. TICs, Narcotics, CWA, Explosives, Consumer Products, Chemicals
Power:	Rechargeable Li-ion battery, 4 hour run time Line power transformer, 100–240 VAC, 50/60 Hz
Database:	Threat Assist; integrated chemical information database
Decon:	Spray, wipe-down or dunk with bleach or detergent
Warranty:	Standard one (1) year Warranty and 24/7/365 Support including Reachback data analysis.
Remote Data Access:	Team Leader app available on iOS, Android, Windows, or via web