

RedWave's ProtectIR: Confident unknown identification in a compact, powerful package.

The ProtectIR quickly identifies unknown threats providing the information you need to address the situation.

The rugged and dependable ProtectIR combines the latest developments in optics, mechanical design and data analytics to provide consistent and accurate results.



Using proven FTIR and diamond ATR technology with the largest libraries available, it easily identifies powders and liquids with little user input.

POWDER & LIQUID IDENTIFICATION

- Identifies over 22,000 Toxic Industrial Chemicals (TICs), Consumer Products, Narcotics, CWAs, Explosives, and Chemicals
- Indestructible Diamond ATR sample interface
- Identifies components of complex mixtures and warns the user of dangerous samples

INNOVATIVE SOFTWARE

- Simplified user interface provides essential information for the end user
- Threat Assist database provides key technical and safety information about the sample
- Data immediately shared wirelessly with the TeamLeader App for archiving, remote viewing and advanced processing

Technology	FTIR (Fourier Transform Infrared Spectroscopy)
Sample Type	Solids, Liquids
Sample Interface	Diamond ATR (Attenuated Total Reflectance)
Size	6.5" X 9.25" X 3"
Weight	5 lbs
Frequency Range	4000 – 650 cm
Resolution	4 cm
Display	4.3", 480 x 272
Connections	USB 2.0 WiFi (802.11 G) Bluetooth
Durability	IP67, Mil spec 810G
Search Technique	Automated Mixture Search
Alarms	Protein, Explosive, CWA, Water
Libraries	22,000+ 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, waterproof external connector
Database	ThreatAssist; integrated chemical information database
Decon	Spray, wipe-down or dunk with bleach or detergent
Warranty	1 Year Warranty 24/7/365 Support Reachback with data analysis
Remote Data Access	TeamLeader: App available for download on Apple or Google Play

