

PROTECTIR

Handheld FTIR



CONFIDENT FTIR IDENTIFICATION IN A COMPACT, POWERFUL PACKAGE

RUGGED & DEPENDABLE:

Using proven FTIR and indestructible diamond ATR sample interface technology, it easily identifies powders and liquids with little user input. Compliance: CE, Mil spec 810G, IP67, CAN/CSA-C22.2, UL61010-1

INNOVATIVE SOFTWARE

Combines the latest developments in optics, mechanical design, and data analytics to provide consistent and accurate results.

Data immediately shared wirelessly with the **TeamLeader App** for archiving, remote viewing and advanced processing.

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

REDWAVE INTRODUCES THE "TEAMLEADER" APP

- Immediate access to ProtectIR results
- Real-time ProtectIR GPS location
- Access to proprietary threat database
- 24/7 access to Reachback



**KNOW THE
HAZARDS IN
REAL TIME**

PROTECTIR

FUNCTIONAL SPECIFICATIONS:

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

