

# PROTECTIR

## Handheld FTIR

*explosives  
detection*



### **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**

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## FUNCTIONAL SPECIFICATIONS:

<b>Technology</b>	FTIR (Fourier Transform Infrared Spectroscopy)
<b>Sample Type</b>	Solids, Liquids
<b>Sample Interface</b>	Diamond ATR (Attenuated Total Reflectance)
<b>Size</b>	6.5" X 9.25" X 3"
<b>Weight</b>	5 lbs
<b>Frequency Range</b>	4000 – 650 cm
<b>Resolution</b>	4 cm
<b>Display</b>	4.3", 480 x 272
<b>Connections</b>	USB 2.0 WiFi (802.11 G) Bluetooth
<b>Durability</b>	IP67, Mil spec 810G
<b>Search Technique</b>	Automated Mixture Search
<b>Alarms</b>	Protein, Explosive, CWA, Water
<b>Libraries</b>	22,000+ Powders and Liquids. TICs, Narcotics, CWA, Explosives, Consumer Products, Chemicals
<b>Power</b>	Rechargeable Li Ion battery, 4 hour run time Line power transformer, 100 – 240 VAC, 50/60 Hz, waterproof external connector
<b>Database</b>	ThreatAssist; integrated chemical information database
<b>Decon</b>	Spray, wipe-down or dunk with bleach or detergent
<b>Warranty</b>	1 Year Warranty 24/7/365 Support Reachback with data analysis
<b>Remote Data Access</b>	TeamLeader: App available for download on Apple or Google Play

