



# CHEMICAL THREAT DETECTION – IDENTIFICATION – ANALYSIS

**23,000+ SOLIDS/LIQUIDS**

**5,000+ VAPORS/GASES**

## FULL SPECTRUM RESPONSE

Detects, Identifies, Analyzes all three phases of matter in just seconds. No sample preparation required prior to sampling, no proprietary consumables, and limited operator maintenance.

## EASY TO EMPLOY

Designed for the novice and the expert. Takes minutes to learn. Embedded manual and video demonstrations running simultaneous to analysis assure operator proficiency.

## COMPREHENSIVE

Deploy at HAZMAT Responses, Clandestine Labs, Terrorist and Criminal Incidents, Unknown Source Spills, Arson and Fire Scenes, On-Scene Pharmaceutical Verification, or any incident where rapid and accurate chemical verification is paramount.



Universal DLS has partnered with RedWave Technology to present the THREATID GLS, a comprehensive FTIR Chemical Detection Instrument. The THREATID provides near instant detection, identification, and analysis for a wide range of chemical threats in solid, liquid or vapor form, single composition threats and complex mixtures.

# THREAT ID

## APPLICATIONS

- Emergency Management
- HAZMAT Response
- Counter-WMD
- Narcotics Investigations
- Forensic Analysis
- Explosives Ordnance Disposal
- Corrections and Confinement
- Postal and Cargo Security

## THREATS

- Narcotics and Synthetic Variants
- Explosives and Precursors
- Common Household Chemicals
- Toxic Industrial Chemicals
- Common Accelerants
- Pesticides
- Chemical Warfare Agents
- Novichok – 4<sup>th</sup> Generation CWA



**UNIVERSAL DLS**  
**Distribution – Logistics – Solutions**

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# CHEMICAL THREAT DETECTION – IDENTIFICATION – ANALYSIS



**THREATID – GLS**  
**GAS – LIQUIDS - SOLIDS**



## SAMPLER DETAILS

DIAMOND ATR – SAMPLER DETAILS	GAS CELL – SAMPLER DETAILS
Analyzes solids, liquids, pastes, and slurries.	Analyzes Volatile Organic Compounds.
Library contains 23,000+ chemicals/mixtures.	5,000+ gasses/vapors (as low as 25 ppm).
Innovative Sure-Contact™ integrated sample sensor with lever actuated pressure device.	Four-meter gas cell in six-inch body; cell volume holds 160 ml.
Software automatically converts identification method based on analysis accessory.	Stainless Steel for corrosion resistance. Swap from Gas Cell to ATR in less than ten seconds.
No preparation required prior to sampling.	No Gas Cell overload; effectively purges in seconds.

**THREATID – LS**  
**LIQUIDS AND SOLIDS**



## SPECIFICATIONS AND PERFORMANCE

INSTRUMENT SPECIFICATIONS AND PERFORMANCE	
Proudly made in the USA.	Dimensions: 14" x 10.6" x 6.12"
Wi-Fi, Bluetooth, Ethernet and USB.	Weight: 15 pounds.
Android® O/S, 10-inch rugged touchscreen; responds to gloved (Level A/PPE) finger/stylus.	Quad-Core 64-bit CPU, 4 GB Ram, 64 GB Solid-State Storage; One-touch reporting via e-mail or USB.
Integrated video image displays sample during solid/liquid presentation to assure accuracy.	Furnishes a step-by-step guide with video prompts during sampling, accessible tutorial videos and manuals.
WPA2 Security Protocol.	CE Mark certification completed.
Identifies complex mixtures.	Includes Mixture Analysis option.
Four-hour charge on lithium-ion batteries.	Hot swappable, commercially available batteries.
Two batteries included with each kit.	Real-time spectral zoom/manipulation via display.
Visible threat alarm.	Upgradeable libraries.
Water removal command for spectra.	One-touch e-mail or download via USB.
Purchase includes One-year Warranty w/loaner during maintenance or return for upgrade.	One-Year cost-free 24/7/365 Reachback and spectral consult.
Multi-year Warranty/Reachback plans available.	Fully de-contaminable with IP 67 power connection.
Designed for use in both hot and warm zones.	Functional group classification overlays on-screen.
Performs background check for cleanliness.	Full spectra overlays, subtractions, & residual search.
Archival and previous incident search capability.	One-touch reference for chemical properties.
Directly connect to relevant databases: – NIOSH. – PubChem. – WISER – NIST.	Collection for Vapor Sample via: – Tedlar bags. – PID collection. – Syringe. – Remote collection pumps, etc.
Includes RedWave Technology's THREATASSIST™ Software. Once spectral results are matched, THREATASSIST™ performs a query against chemical libraries. THREATASSIST™ provides up to thirty-three chemical property data points to aid in response assessment, to include: Description, synonyms, boiling point, flashpoint, LEL, UEL, IDLH, hazard statements, recommended protection, incompatibilities, exposure routes, vapor pressure, and more.	

**THREATID – G**  
**GASES AND VAPORS**



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