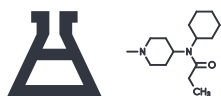


LIQUISCAN™

LIQUID THREATS DETECTOR



LIQUISCAN™ is a liquid explosives, narcotics and Toxic Industrial Chemicals (TIC's) detector capable of liquid vapor detection. Its award-winning and patented HF-QCM nanotechnology sensors provide the latest threat detection and identification capabilities applicable to H₂O₂, Nitroglycerine, Nitromethane and many others.

LIQUISCAN™ was designed with field operators' portability and flexibility in mind, allowing the analysis of samples at the point of screening in real-time and sampling while the detector is securely attachment to the operator's hand. Applications include liquids, powders, and gels found in bottles, vehicles, luggage, freight, maritime containers, and air cargo.



Feature Highlights

- HF-QCM sensors
- No radioactive source
- High-throughput sampling
- Fast warm-up time
- Self-calibration
- Easy to operate
- Low cost of ownership
- Lightweight (850 g with battery)



Market Applications

- Customs & Border Control
- Police & Law Enforcement
- Prisons & Correction Centers
- Sea Ports & Cargo
- Aviation Security & Air Cargo
- Rail & Mass Transit
- Critical Infrastructures
- Military & Military Operations
- Hotels & Shopping Malls



User-Friendly Interface

LIQUISCAN's onboard processor handles all data logging, including time, date, and sample analysis for each alarm. A complete history of saved data can be viewed, analyzed, downloaded, and printed at any time.

Technical Specifications

LIQUISCAN™	
Technology	High-Frequency Quartz Crystal Microbalance Nanotechnology Sensors (HF-QCM) No gas carrier. No radioactive source.
Sample Collection	
Vapor Sniffing Mode	Direct vapor sniffing via a vapor sniffing nozzle
Detection Capabilities	
Explosives	Hydrogen Peroxide, Nitromethane, Astrolite, Nitroglycerine, EGDN, and Water Gel* * Additional explosives as per expandable threat library
Narcotics	Liquid Cocaine, Heroin, Methamphetamines, and Synthetic Opioids* * Additional narcotics as per expandable threat library
Toxic Industrial Chemicals (TIC's)	Hydrazine, Acetone, Acetonitrile, Ethanol, Ammonia, and others Additional TIC's upon expandable threat library
Sensitivity	* Particles: low nanogram (ng) range * Vapors: low parts of billion (ppb) range
False Alarm Rate	Less than 2%
Analysis Time	7-15 seconds or less
System Interface	
Data Display	3.5" high-resolution, anti-reflective, color touch screen
Printer	Optional USB printer
Alarm Method	Configurable audio alarm and alarm resolution instructions screen
Software Features	
Warm-Up Time	Less than 2 minutes
Alarm Type	Audio and visual with substance identification
Multi-Language Support	English, French, Spanish, Italian, Portuguese, Russian, Chinese, Korean, Japanese, Arabic, and more
Data Storage	Unlimited data logging, including date, time, analysis results and system status
Data Transfer	Micro USB 2.0. Optional Bluetooth and/or Wi-Fi
Power	
Input Voltage	96-265VAC, 50-60Hz with 110/220V DC charger
Battery	12-V rechargeable Lithium-Ion battery with 6 to 8 hours of field operation
Environmental	
Operating Humidity	Less than 95% non-condensing
Operating Temperature	-4°F to +131°F (-20°C to + 55°C)
Operating Altitude	Up to 15,000 ft (4572 m)
Physical Features	
Weight	1.45 lbs (660 g), battery included
Dimensions	(L x W x D): 19.87" x 13.93" x 4.68" (221 x 71 x 86 cm)
Enclosure & Protection	
Case	Supplied with a ruggedized MILSPEC case
Safety	No hazardous parts and tamper-proof casing
Certification	
Product	CE Mark, EMC and FCC certification
Manufacturing Standards	ISO 9001:2015 manufacturing standards

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