

DUOSCAN™

Hand-Held Explosives and Narcotics Trace & Vapor Detector

DUOSCAN™ is a hand-held and ruggedized explosives, improvised materials and narcotics detector capable of trace particle and vapor detection in less than 7 seconds. Leveraging MS Detection innovative and non-radioactive HF-QCM nanotechnology sensors, the DUOSCAN™ enables to detect, identify and resolve threats quickly while keeping bags and people moving.

DUOSCAN™ provides security professionals with the latest dual-mode detection capabilities uniquely developed to address global terrorism and drug trafficking with specific operational requirements such as extreme temperatures, wind, rain, sand, drop and shock. These enhanced capabilities enable to address an expanded customer base to include airports, ports and border control, law enforcement and critical infrastructure – in other words, security personnel who require a robust, lightweight and a highly reliable system.

Efficient Sample Collection

The DUOSCAN™ was designed with portability and flexibility in mind. It offers to analyse the sample in the point-of-screening in real-time; with a secure attachment to a breathable carry-on vest.

Trace Particles Sampling: Reusable sampling swabs are swiped across a surface and then inserted into the detector for analysis. Typical surfaces include baggage, cargo, vehicles, clothes, tickets, and ID cards.

Vapor Samples Collection: A battery operated Vapor Sampler draws vapors into a sampling swab, which is then inserted into the detector for analysis. Applications include car trunks, luggage, freight, containers and air cargo screening.



Easy-to-Use Operator Interface

Sample analysis and results require minimal interpretation, so operators may concentrate on obtaining a good sample. The DUOSCAN™ onboard processor automatically handles all data logging, including time, date, and sample analysis for each alarm. A complete history of saved data and alarm files can be viewed, analyzed, downloaded and printed at any time.

Operational Advantages

- The HF-QCM sensors are green and safe; and do not contain any radioactive source
- HF-QCM enables enhanced explosives, improvised materials, narcotics and contraband detection
- Rapid detection and identification in less than 7 seconds
- Switching between explosives to narcotics mode is immediate
- Expandable threat libraries are available to accommodate unique user requirements
- Self-calibration and automatic cleaning mechanism enables a short clear down time after an alarm
- Proven and reliable operation in dusty, humid, and high traffic areas
- On screen keyboard
- Software upgrades can be easy to install
- Local language options available
- Three default user levels (Operator, Supervisor and Service Manager) for greater access control

Outstanding Service and Support

Recognized worldwide for our commitment to customer service, MS Detection fields one of the industry's most experienced global service teams. We offer a full spectrum of services to help you reap maximum value from your investment while maintaining robust, effective and efficient operations.

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