

QS-H150™

Handheld Explosives
Trace Detector



Simultaneous, real-time detection of explosives particulates and vapors with or without physical contact

The QS-H150 is a handheld explosives detector that rapidly detects and identifies trace amounts of a wide variety of military, commercial, and homemade explosives (HMEs).

The QS-H150's innovative design includes a patented heated vortex collector and patented non-radioactive ion mobility spectrometry technology. These provide operational advantages that make the detector highly effective in real world situations – advantages proven time and again in customer evaluations.

Operation and maintenance expenses are extremely low with the QS-H150. Consumables costs are greatly minimized. Routine maintenance consists only of cleaning, using common supplies and desiccant replacement as required.

No radioactive materials are used in the QS-H150, so there are no associated certification, licensing, inspection, testing or decommissioning costs.

The QS-H150 is portable, easy-to-use, and offers the choice of collecting samples directly from a surface or using sample traps. The system's real-time detection algorithm delivers fast results, alerting the operator as soon as a threat is detected. It also minimizes system contamination, allowing the QS-H150 to be ready for the next sample in seconds, even after a positive detection.

The presence of a threat is indicated by both visible and audible alarms, with the substance identification displayed on the integrated LCD screen. A standard monitor and USB keyboard may be connected at any time for access to spectrogram display and analysis tools, administrative tools, and diagnostics.

The patented automatic calibration system, inCal™, prevents errors that could result from an uncalibrated instrument. The QS-H150 monitors its environment, senses changes that would affect its analysis, and recalibrates accordingly. No user intervention, no calibration consumables, and no system down-time required.



BENEFITS

- › Detects explosives in seconds
- › Non-radioactive ion source
- › Choice of sampling modes
- › Simultaneous non-contact particulate and vapor detection
- › Wipe sampling
- › inCal automatic calibration
- › Rapid clear-down
- › Low total cost of ownership
- › One-handed operation

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