



## H150E

### L3 Security & Detection Systems

HANDHELD EXPLOSIVES & NARCOTICS TRACE DETECTOR

- DETECTS AND IDENTIFIES EXPLOSIVES AND NARCOTICS IN SECONDS
- INDUSTRY-LEADING LOW FALSE ALARM RATE
- RAPID CLEAR-DOWN TIME
- NETWORK-READY WITH REMOTE DIAGNOSTICS
- DAYLIGHT READABLE, HIGH-RESOLUTION COLOR TOUCHSCREEN

The H150E offers the outstanding detection performance of L3's widely deployed QS-B220 desktop system. The network-ready system is easy to operate and features a large, high-resolution, daylight-readable color touchscreen. The modernized icon-based interface provides a familiar user experience, allowing for simple and intuitive navigation.

The system's real-time detection algorithm delivers fast results, alerting the operator as soon as a threat is detected. With rapid clear-down and other features that minimize system contamination, the H150E is ready for the next sample within seconds, even after a positive detection.

The presence of a threat is indicated by both visible and/or audible alarms, with the substance identification clearly displayed. Spectrograms, administrative functions, and diagnostics can be accessed and viewed on the integrated 4.3 inch color touchscreen



THE H150E IS A HANDHELD EXPLOSIVES AND NARCOTICS DETECTOR THAT RAPIDLY DETECTS AND IDENTIFIES TRACE AMOUNTS OF A WIDE VARIETY OF MILITARY, COMMERCIAL, AND HOMEMADE EXPLOSIVES AND NARCOTICS.

The patented automatic calibration system, inCal™, prevents errors that could result from an uncalibrated instrument. The H150E monitors its environment, senses changes that would affect its analysis, and recalibrates accordingly. Calibration occurs with no user intervention and does not require calibration consumables.

Operation and maintenance expenses are minimized with the H150E, including low consumable costs. Routine maintenance consists of only periodic cleaning using common supplies and desiccant replacement as required.

The H150E's innovative design includes patented nonradioactive ion mobility spectrometry technology, so there are no associated certifications, licensing, inspection, testing or decommissioning costs normally associated with systems that contain radioactive materials.

Designed for flexibility in mind, the H150E features foldable legs which enable the system to easily operate at a fixed location. Combined with an integrated trap holder and ergonomic shoulder strap, the H150E provides the operator with unique, flexible functionality.



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#### SPECIFICATIONS

General	Height: 21.3 cm
	Width: 15.2cm
	Depth: 45.7 cm
	Weight: 5.35 kg
Detector type	Non-radioactive Ion Mobility Spectrometry (IMS)
Power requirements	AC Input: 100-240 VAC, 47-63Hz 2A (max) DV Input: 24 VDC
Data display	Integrated high-resolution display
	Daylight readable multi-touch
	Diagonal Size: 4.3 in
	Connections for external monitor & keyboard
Warm up time	Less than 30 minutes (typical)
Analysis time	User-selectable, 8-30 seconds (10 seconds default)
Clear-down time	10 seconds or less (typical)
Sample acquisition	Particulate collection via wiping (wand or with gloved hand)
Alarm method	Configurable visual and audible alarms Substance identification by name
Consumable materials	Low-cost and easily changeable molecular sieve drying agent (desiccant) in prepackaged containers Sample traps
Batteries	Lithium Ion (Li-ion) rechargeable (2 ea) Up to 3-4 hours operating time per pair of batteries
	Batteries are hot swappable to extend battery-only operation time
	Internal battery charger when connected to external power External two-battery charger (AC & DC) available
Optional features	Sample Wand / Spare batteries / External battery charger (AC/DC) / Printing kit
Operating environment	Operating Temperature: -10°C to 55°C Altitude: Up to 4,572 m Relative Humidity: 0 to 95%, non-condensing
Substances detected	Wide variety of explosives (military, commercial, HMEs) Additional substances can be added through the user-expandable detection library



#### HTDS

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