RAPISCAN HE50

A hand-held Explosive Trace Detection system (ETD) with highest level of sensitivity and lowest cost of operation.

Lightweight, Compact Design

Highest Throughput in Industry

No Calibration, Grids, Membranes and Swipe Traps Required

Automatic Continuous Calibration

No Preventive Maintenance Required

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The Rapiscan HE50 uses an inhaling, non-contact sampling method with a real-time analysis response for fast, reliable and specific identification of explosives. The 3 button control and fully automatic continuous calibration design facilitates easy integration into screening processes.

Advanced Sampling Technology

The Rapiscan HE50 detects explosive traces in both forms of vapors and particulate from the ambient environment, packages, or other surfaces that may have absorbed explosive residues. The HE50 uses a non-contact inhalation sampling technology that does not damage the interrogated surface. Designed to minimize consumable costs, the HE50 uses a low cost dopant with an extended shelf life. For additional flexibility the HE50 is also able to analyze the sample taken by a swipe.

Exempt from US NRC Requirements

The HE50 uses a unique ionization source with US Nuclear Regulatory Commission (NRC) Exempt Distribution status that has no end-user documentation and no radiation leak testing requirements.

Non-contact Sampling

The lightweight, ergonomically designed HE50 allows the operator to screen without contact for all major explosives.

Detects Range of Explosives

The Rapiscan HE50 detects low picogram levels of a broad range of explosives including TATP, TNT, C4 / RDX, Semtex, Nitroglycerin / Dynamite, PETN, EGDN, DNT, HMX, Black Powder, Smokeless Powder and ANFO / Ammonium Nitrate.

Easy-to-Operate

The Rapiscan HE50 offers a fully automatic continuous self-calibration technology without the need for manual calibration and traps and is ready to use in less than 10 minutes. Alarms can be configured with audible and/or visible detection indicators. With the large screen LCD the HE50 can be used in all light conditions.

The HE50 is ideal for customers that need a portable, versatile and effective explosive threat detection solution.

Applications

Aviation

Critical Infrastructure

Customs and Border Control

Defense

Event Security

Law Enforcement

Ports

Rapiscan® systems

An OSI Systems Company

www.rapiscansystems.com

RAPISCAN HE50

278
[10.9]

272
[10.7]

140
[5.5]

Conformity

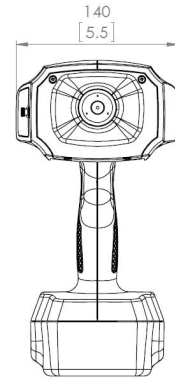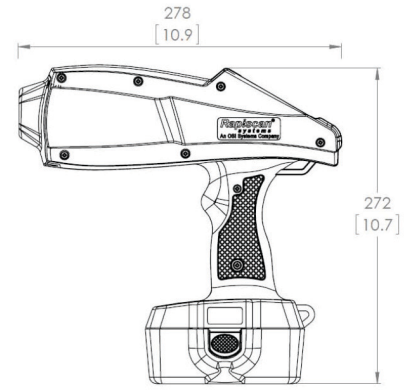|	
Standards	Meets CE and UL requirements
Regulatory	• No NRC end-user documentation or radiation leak testing required in the US • No special disposal requirements

Specifications

Dimensions	278mm Long x 140mm Wide x 272mm High (10.9 in. x 10.7 in. x 5.5 in.)
Weight	1.9kg with battery
Operating Temperature	-20°C to +55°C
Scan Time	3 to 30 seconds
Sensitivity	Picogram level
Battery	Fast Full Charge Lithium Ion battery in 2.5 hours 6 hours of continuous operation (meets CE and UL requirements)
Cold Start-up Time	Under 10 minutes

What is included	Part Number
HE50 Detector	23105026
Batteries (2X)	23105027
Battery charger	23105028
Dopant (pack of 6)	10105031
Shoulder strap	13105034
Confidence Sample	23105035
Reporting Software on CD	SW93105033
Operator Manual	92107955
Transit Case	23104869
Micro USB	

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Rapiscan®
systems
An OSI Systems Company

CE

PERRY JOHNSON REGISTRARS, INC.

MGMT. SYS.
RvA C118

UKAS
QUALITY
MANAGEMENT
105-A

Rapiscan Systems is
ISO 9001:2008 Certified

ONE COMPANY - TOTAL SECURITY

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