

REV.	ZONE	DESCRIPTION	DATE	BY	APVD.
1		Shipping Instructions via Ground Transport For the End User of the Rapiscan Model HE50 Hand Held Explosive Detection Device	8/31/12	JJ	MMcCarthy
2		REVISED PER ECN # 04278	2/21/13	Chris Millsaps	MMcCarthy

IMPORTANT INSTRUCTIONS – MUST READ



 An OSI Systems Company		2805 Columbia Street Torrance, CA 90503	
Description: Shipping Instructions via Ground Transport For the End User of the Rapiscan Model HE50 Hand Held Explosive Detection Device			
DRAWN BY:	DATE:	ECN No.: 04089	
Steve Norris	8/17/2012	DRAWING NO.: 04108551	REV.: 2
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Jazmin Jauregui	8/31/2012		
USED ON:	NEXT ASSY:	APPROVED BY:	DATE:
HE50	23109096	Mark McCarthy	8/31/12
SHEET 1 OF 6			

The Rapiscan Model HE50 Hand Held Explosive Detection Device contains a small amount of radioactive material.

The Ion Mobility Spectrometry (IMS) Cell Assembly contained within the tamper proof interior of the Rapiscan Systems Model HE50 hand held explosive detection device contains a small quantity of the radioisotope, Americium-241 (AM-241). Shipping radioactive substances in the United States is regulated by US Department of Transportation and these laws must be followed with great detail.

WARNING: Anyone who ships, transports, or receives a Rapiscan Systems Model HE50 must be trained under USDOT requirements of 49 CFR 172, subpart H.

WARNING: THE MODEL HE50 MAY NOT BE TRANSPORTED AS CHECKED OR CARRY ON LUGGAGE ON PASSENGER AIRPLANES IAW 49 CFR 173.4a (j)

THE FOLLOWING INSTRUCTIONS HAVE BEEN PROVIDED TO THE END-USER TO ASSIST IN THE PROPER TRANSPORT OF THE MODEL HE50 VIA COMPANY/PERSONAL VEHICLES (For example: the HE50 is transported to a remote location within an employee's company car).

IT IS ULTIMATELY THE RESPONSIBILITY OF THE SHIPPER TO COMPLY WITH US DOT REGULATIONS.

INSTRUCTIONS

1. All packaging must be designed to prevent a release of hazardous material during normal transportation or storage of the material. (See #3)
2. For the Rapiscan Systems Model HE50, packaging and its contents must satisfy "Excepted Package" requirements of 49 CFR 173.410, 422 and 424. (See #3)
3. Use the Model HE50 carrying case supplied by Rapiscan Systems as the shipping package to ensure the Excepted Package requirements are met per items #1 and #2 above).
4. US DOT requires "clear and legible" marking of the UN number on the outside of an excepted package. The UN Number for Rapiscan Systems Model HE50 in excepted packages is **UN2911**. ICAO/IATA (Air transport) also requires a specific label to meet this requirement. In order to meet compliance with both the USDOT and IATA, Rapiscan has placed the label below on the carrying case prior to shipping the Model HE50 to the end user.
5. Verify that the transport label pictured below is on at least one side of the package (i.e., carrying case). If it is not, you must attach this label prior to shipping.



6. Confirm that within the case there is a copy of the "Excepted Package Certificate" provided below. The end user shall list a minimum of three (3) emergency contacts. US DOT requires that at least one (1) emergency contact be readily available by phone 24 hours in the event of an emergency during transport.
7. USDOT and IATA require that all openings containing the radioactive device be secured against unauthorized access during transport. In order to meet this requirement Rapiscan recommends using a onetime use security tag. These tags can be purchased at most shipping material suppliers. Once the package has been made ready for transport, close the transport case and secure the case using a one-time security tag as pictured below. Be sure to loop the tag through the padlock hole on the pelican case as seen below.



8. Prior to transport, the US DOT requires that all packages be surveyed for removable contamination. To meet this requirement, there must be either; 1) a current device leak test record within the past 6 months; or 2) the end user must perform a removable contamination survey on the external surface of the package used for transport to demonstrate compliance with US DOT removable contamination limits.
9. A copy of either item 1) or 2) above must be placed inside the carrying case during transport along with the "Excepted Package Certificate".
10. Rapiscan Systems, Inc. recommends performing or have performed a device leak test every **six (6) months** and maintaining this document, otherwise, a package survey will be required each time you ship/transport in commerce.
11. When transporting the Model HE50, ensure the "Emergency Instructions" provided below with these instructions are accessible to the driver.
12. At this point, the Model HE50 is ready to be transported by ground in your company's vehicle. During transport, the carrying case containing the Model HE50 should be placed within the cargo compartment of your vehicle and secured so that it does not move during transport.

EXCEPTED PACKAGE CERTIFICATE

THIS PACKAGE CONFORMS TO THE CONDITIONS AND LIMITATIONS SPECIFIED IN 49CFR173.424 FOR RADIOACTIVE MATERIAL, EXCEPTED PACKAGE, INSTRUMENT OR ARTICLES, UN 2911.

EMERGENCY CONTACTS

To be completed by the Shipper

Emergency Contact Name Phone Number (24-Hour)

Emergency Contact Name Phone Number

Emergency Contact Name Phone Number

EMERGENCY PROCEDURES

Lost or Stolen Instrument

Damaged Instrument

**THIS PAGE CONTAINS INSTRUCTIONS IN THE
EVENT OF AN EMERGENCY**

**If this instrument is lost or stolen, notify your
Radiation Safety Officer (RSO) or the
equivalent responsible individual at your
company or institution immediately.**

**Minor Damage- if the instrument is intact, but
there is indication of an unsafe condition,
such as a cracked case, mechanical failure, or
functional failure, proceed to the following
steps:**

- 1. Place the instrument into the carry case and secure the device from use.**
- 2. Notify your Radiation Safety Officer or the equivalent responsible individual at your company or institution.**
- 3. The RSO should call Rapiscan Systems Customer Service for additional instructions and guidance for return of the damaged device.**

**Major Damage-Instrument is not intact
proceed to the following steps:**

- 1. Using disposable gloves, collect all pieces of the instrument and place into a bag, place used gloves in the bag, and secure the bag opening with duct tape or equivalent.**
- 2. Using disposable gloves, place this bag into a second bag, place used gloves inside second bag and secure the bag opening with duct tape or equivalent.**
- 3. If the Model HE50 is beyond repair, there are no regulatory restrictions for disposal or you can contact Rapiscan Systems Customer Service Department for assistance.**