

REV.	ZONE	DESCRIPTION	DATE	BY	APVD.
1		Shipping Instructions via Common Carrier 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



Rapiscan
systems
An OSI Systems Company

2805 Columbia Street
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Description:
Shipping Instructions via Common Carrier for the End User of the
Rapiscan Model HE50 Hand Held Explosive Detection Device

DRAWN BY: Jazmin Jauregui	DATE: 8/17/2012	ECN No.: 04089	
CHECKED BY: Jazmin Jauregui	DATE: 8/31/2012	DRAWING NO.: 04108552	REV.: 2

USED ON: HE50	NEXT ASSY: 23109096	APPROVED BY: Mark McCarthy	DATE: 8/31/2012	SHEET 1 OF 6
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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 COMMON CARRIER (*For Example: FedEx, UPS, DHL or other contracted shipping companies*).

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

INSTRUCTIONS

1. The Model HE50 contains up to 20 micro-curies of Am-241. You will need to provide this information to the shipping company.
2. All packaging must be designed to prevent a release of hazardous material during normal transportation or storage of the unit.
3. For the Rapiscan Systems Model HE50, packaging and its contents must satisfy “Excepted Package” requirements of 49 CFR 173.410, 422, and 424.
4. Use the Model HE50 carrying case supplied by Rapiscan Systems as the shipping package to ensure the Excepted Package requirements are met.
5. 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.
6. The Model HE50 may be shipped by a common carrier, either by air or ground. Therefore, in order to meet compliance with US DOT and IATA, Rapiscan has placed the label below on the carrying case prior to shipping the Model HE50 to the end user.
7. Verify that the transport label pictured below is on at least one side of the transport package (e.g., carrying case). If it is not, you must attach this label prior to shipping. This label must be on the external surface of the final shipping package.



8. Confirm that within the case there is a completed 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 per day in the event of an emergency during transport.
9. Prior to shipping, 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.

10. A copy of either item (1) or (2) within #9 above must be placed inside the carrying case during transport along with the "Excepted Package Certificate".
11. Rapiscan Systems, Inc. recommends performing a device leak test every **six (6) months** and maintaining this document. Otherwise, a package survey would be required each time you ship/transport in commerce.
12. 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.



13. Prepare the shipping documents. Each document must state that the shipment contains hazardous goods, and must be signed by the trained hazmat employee who prepared the package and who is offering the package for shipment.
14. The Proper Shipping Name is the official designation of the material that is being shipped. The proper Shipping Name for a Rapiscan Model HE50 is:

"Radioactive Material, Excepted Package-Instruments or Articles".

The UN number is a four digit code which allows emergency responders to identify the chemical being shipped. The UN number for the Rapiscan Systems Model HE50 is **UN 2911**.

15. Contact a shipping company. Verify that the company is certified to transport hazardous materials. Describe the Model HE50 and give all requested information to the contact person. If you are using a shipping company for the first time, you may be required to apply for permission to ship hazardous materials.
16. Make three copies of all documents. Save one copy for your records and provide the other two copies, along with the original, to your shipping company with the package.

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)

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