

NUCTECH RT1003EB

Liquid Security Inspector



www.scanxsecurity.com

Technology Features

- Highly accurate and flexible identification of a wide range of threat liquids
- Self-learning function, with an extensive substance library
- Analyze and identify substances in 8 seconds typically
- Dual channel type operation
- Metal packaging solution
- Black or dark materials automatic notification function
- Non-destructive and Non-radioactive testing
- Standard USB and Ethernet interface for data transfer and software update
- User-friendly operation based on touch-screen with graphical user interface and minimal training required

Introduction

NUCTECH COMPANY LTD offers the **RT1003EB** Liquid Security Inspector that can analyze most dangerous materials in most types of container and identifies the threat material. The RT1003EB uses Raman spectrum technology and identifies material at the molecular level. The inspection process is simple, rapid (a few seconds) and the False Alarm Rate is very low.

Since there are some containers (such as metal) and some dark materials that cannot be analysed using Raman, the RT1003EB includes technology to measure the sample density as an alternative method for these items.

RT1003EB employs a two sided door to enclose the laser beam sampling area whilst providing easy access from either side. This means it can be used between two security inspection channels, improving efficiency by minimising the distance the Security Staff have to move to insert containers and assess the results. These characteristics make the RT1003EB very efficient in airports for the security inspection of Liquids, Aerosols and Gels (LAGs) in all types of containers.



Scan-X Security Limited

Unit 1, Westgate Trading Estate, Westgate, Aldridge WS9 8EX.

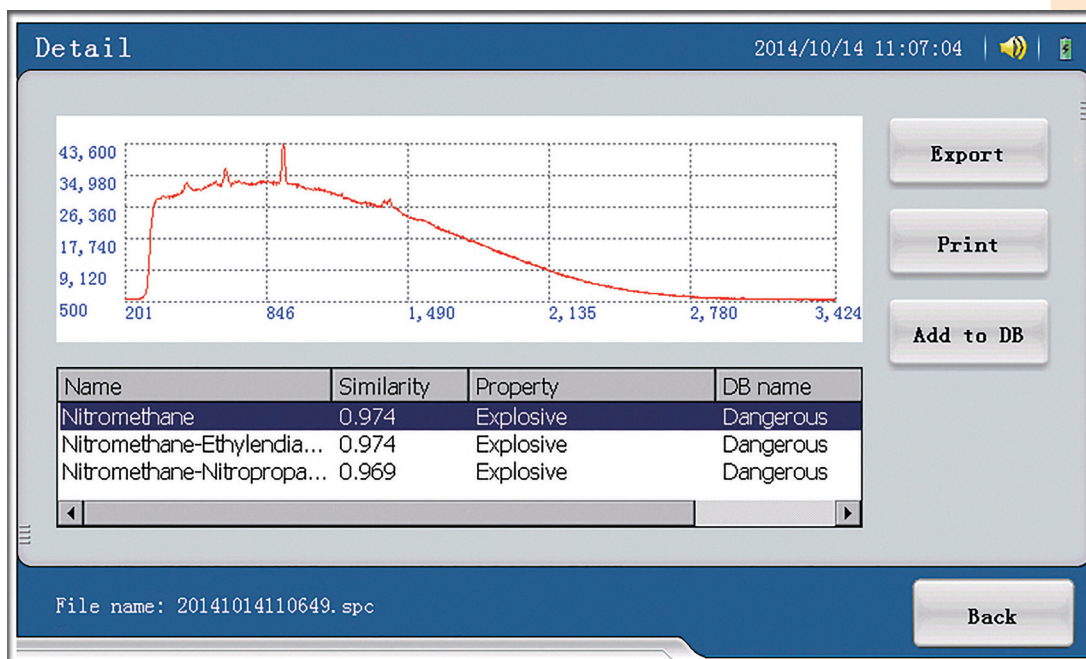
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General Specifications

Technology Principle	<ul style="list-style-type: none"> Raman Spectroscopy
Detectable Threat Liquids	<ul style="list-style-type: none"> Flammable, explosive, toxic reagents, strong oxidizing, strong corrosion liquids as well as non-explosive precursors for later mixing
Open Database	<ul style="list-style-type: none"> Extensible library, substances can be added to the library by users
Types of container	<ul style="list-style-type: none"> Glass, Plastic, paper packaging, Metal containers (Tetra Paks, foil pouches, drink cans, food tins, tubes, aerosols)
Readout	<ul style="list-style-type: none"> Automatic Clear/Alarm with credibility indicator Substances identification with characteristic spectrum display Configurable visual and audio alarms
Startup Time	<ul style="list-style-type: none"> <60 seconds
Standard Inspection Time	<ul style="list-style-type: none"> <8 seconds
Communication Interface	<ul style="list-style-type: none"> USB and Ethernet LAN
User Interface	<ul style="list-style-type: none"> 7" touch-screen LCD
Operation Temperature	<ul style="list-style-type: none"> 0°C ~ +40°C
Power Supply	<ul style="list-style-type: none"> L/N AC110V/220V 50Hz/60Hz
Network Applications	<ul style="list-style-type: none"> Remote data query, setting and centralized library manage system
Type	<ul style="list-style-type: none"> Desktop
Dimensions(L×W×H)	<ul style="list-style-type: none"> 755mm×442mm×532mm
Weight(Including Battery)	<ul style="list-style-type: none"> 27kg
Certification	<ul style="list-style-type: none"> RT1003EB meets Standard 3 Certified to ECAC performance requirement for Type B LEDS(Liquid Explosive Detection Systems)



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