NUCTECH™ RT3000

Raman Spectrometer

Technical Features

- High accurate and flexible identification of a wide range of unknow substance with extensible substance library

- Analyze and identify substances in serveral seconds typically

- Non–destructive and Non–radioactive testing

- Lightweight and ergonomic design

- Standard USB and Ethernet interface for data transfer and software update

- Friendly operation based on touch–screen with graphical user interface and minimal training required
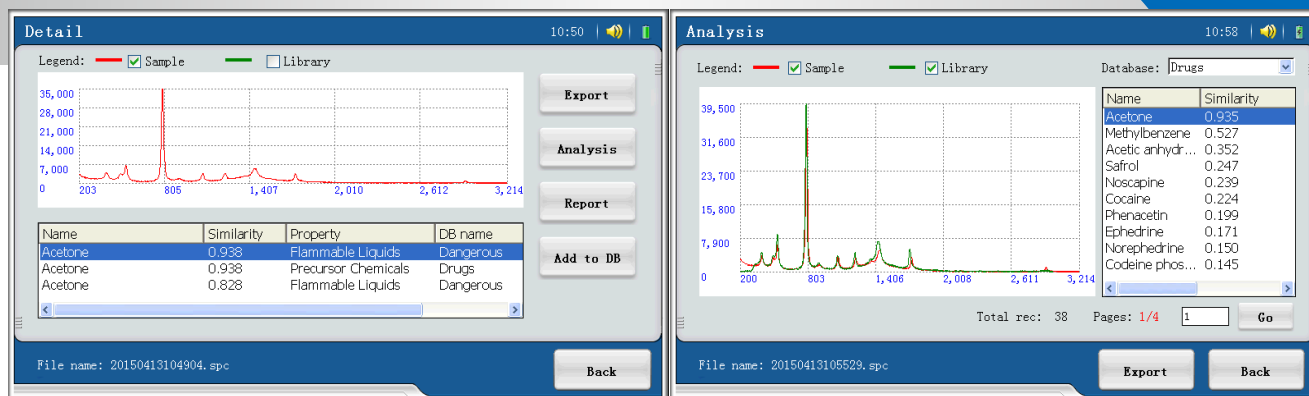
Summary

NUCTECH COMPANY LIMITED offers RT3000 Raman Spectrometer for rapid, accurate identification of the unknow liquids and solids such as threat liquid, narcotics ,explosives and chemical warfare material Based on Raman spectroscopy, RT3000 can analyze the unknow substance quickly and provide an immediate, reliable result.

RT3000 Raman Spectrometer can be widely used in publices, borders, armies, ports and quality testing , and satisfies daily inspection and onsite operation in these fields. RT3000 will play an increasing important role in many fields, such as Crimical investigation, Chemical defense, Counter-terrorism, Anti-drug, Anti-smuggling and so on.

NUCTECH COMPANY LIMITED | Total Solution for Security

NUCTECH™ RT3000

Raman Spectrometer

Detail — 10:50

Legend: ☑ Sample ☐ Library

Name	Similarity	Property	DB name
Acetone	0.938	Flammable Liquids	Dangerous
Acetone	0.938	Precursor Chemicals	Drugs
Acetone	0.828	Flammable Liquids	Dangerous

Export / Analysis / Report / Add to DB

File name: 20150413104904.spc   Back

Analysis — 10:58

Legend: ☑ Sample ☑ Library   Database: Drugs

Name	Similarity
Acetone	0.935
Methylbenzene	0.527
Acetic anhydr...	0.352
Safrol	0.247
Noscapine	0.239
Cocaine	0.224
Phenacetin	0.199
Ephedrine	0.171
Norephedrine	0.150
Codeine phos...	0.145

Total rec: 38 Pages: 1/4 1 Go

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Technical Data

General Specifications

Technology Principle	Raman Spectroscopy
Detectable Narcotics	Most narcotics,such as Ketamine , Ice, Cocaine, Morphine, Toluene , Ophedrine, Acetone and Aether.
Detectable Explosives	Most commercially available and military explosives, such as TNT RDX, Nitramine Explosive, HMX, TATP, Composition B, PETN, etc
Detectable Toixces and Harmfuls	Most Chemical warfare agents, Poisonous liquid and solid, strong oxiding and strong corrosion liquids ,etc
Open Database	Extensible library, substance can be added to the library by users
Readout	Automatic Clear/Alarm with credibility indicator. Substances identification with characteristic spectrum display. Configurable visual and audio alarm
Startup Time	<60 seconds
Fiber length	1.5m
Communication Interface	USB and Ethernet LAN
User Interface	7" touch-screen LCD
Operation Temperature	0°C ~ +40°C
Power Supply	100V/240V 50HZ/60Hz
Network Applications	Remote data query,setting and centralized library manage system
Dimensions(L×W×H)	406mm×330mm×174mm
Weight(Including Battery)	7.5kg

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