NUCTECHTM RT3000

Raman Spectrometer





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ΕN

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

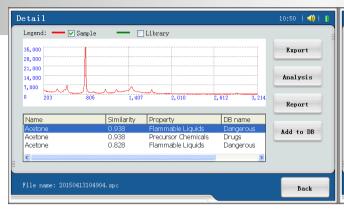
Summary

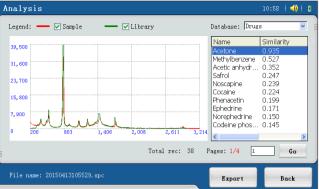
NUCTECH COMPANY LIMITED offers RT3000 Raman Spectrometer for rapid, accurate identification of the unknow liquids and solids such as threat liquid, narcotics, explosives and chemical warfare material Based on Raman spectroscopy, RT3000 can analyze the unknow substance quickly and provide an immediate,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

Raman Spectrometer





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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Printed in CHINA, January 2014.

NUCTECH HAS BEEN AWARDED THE CERTIFICATE OF QUALITY MANAGEMENT SYSTEM (ISO9001:2008)
NUCTECH HAS BEEN AWARDED THE CERTIFICATE OF ENVIRONMENTAL MANAGEMENT SYSTEM (ISO14001:2004)
NUCTECH HAS BEEN AWARDED THE CERTIFICATE OF OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT
SYSYTEM(GB/T28001-2001)

