JINSP RS1000 Handheld Fiber Optic Raman Spectrometer Rapid And Accurate Substance Identification

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: JINSP
- Certification: CE
- Model Number: RS1000
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Customized Packaging
- Delivery Time: 70-90working days
- Payment Terms: T/T, , Western Union
- Supply Ability: 20 PCS/70-90 days

Product Specification

- Laser: 785nm
- Size: 176* 87 * 33mm
- Connectivity: USB / Wi-Fi / 4G /Bluetooth
- Weight: 730g
- Storage Temperature: -20 To 60 Degrees Celsius
- Analysis Time: Less Than 10 Seconds
- Highlight: **fiber optic raman spectrometer**, **Rapid Handheld Raman Spectrometer**, **Jinsp Handheld Raman Spectrometer**

More Images

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Our Product Introduction

Product Description

RS1000 Handheld raman spectrometer

JINSP provides a range of advanced handheld substance identifiers designed to enhance the efficiency and accuracy of on-site substance detection. Among these, the RS1000 handheld substance identifier stands out with its integrated 785nm Raman spectrometer, offering users a straightforward and user-friendly interface that ensures rapid and reliable identification of various substances. This device is particularly adept at quickly detecting a wide array of materials, including narcotics, explosives, and hazardous chemicals, making it an invaluable tool for first responders, law enforcement, and security personnel who need to assess potential threats swiftly and accurately.

On the other hand, the RS1500 handheld substance identifier, equipped with a robust 1064nm Raman spectrometer, brings a unique set of capabilities to the field. This device is engineered to combat the challenges posed by fluorescence interference, which can often complicate the detection process. The RS1500's specialized technology allows it to excel in identifying substances that are notorious for their fluorescence properties. Its resilience against fluorescence interference ensures that users can obtain clear and precise results even in the presence of substances that might otherwise confound other detection methods.

Both the RS1000 and RS1500 models are designed with the end-user in mind, incorporating features that not only streamline the detection process but also enhance the overall user experience. Whether it's the RS1000's ease of operation or the RS1500's superior performance in challenging detection scenarios, JINSP's commitment to innovation and user-centric design is evident in these cutting-edge devices. These handheld substance identifiers represent a significant advancement in the field, providing users with the confidence and capability to tackle a variety of substance detection challenges effectively and efficiently.

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No	Item	Description
1	Laser	785nm
2	Size	176* 87 * 33mm
3	Weight	730g
4	Connection	Wi-Fi,4G,Bluetooth,Micro-USB
5	Power Supply	Rechargeable lithium battery,4-6h
6	Database	Narcotics&Precursors,Explosives,Dangerous Liquid,Gem.etc
7	Result	Name,Property,Spectrum,MSDS,Result-report

Technical Features

- **Rapid Response: Identification can be completed within seconds**
- **No Sampling Required: No need to transfer raw materials to the sampling room, avoid sample contamination**
- **Through-Packaging Detection: Capable of detecting directly through glass, woven bags, plastic, and other packaging materials**
- **Compact and Lightweight: Portable and flexible for use in various on-site locations such as warehouses,preparation rooms, and production workshops**
- Accurate Identification: Utilizes advanced machine learning algorithms, ensuring high accuracy

Technical Features

『 Quick response 』

Identification can be completed within a few seconds

『 Response quickly 』

The identification can be completed within a few seconds

『 Compact and lightweight 』

It can be moved flexibly in warehous-es,material preparation rooms,and production workshops etc.

『 Real-time sampling 』

No need to sampling, simple and safe

『 Identification accuracy 』

Advanced machine learning algorithm supports accurate recognition, strong specificity

Wide Detection Range

- **Chemical raw materials: aspirin,folic acid, nicotinamide, etc**
- **Pharmaceutical excipients: salts, alkalis, sugars, esters, alcohols, phenols, etc**
- **Common packaging materials: polyethylene, polypropylene, polycarbonate, ethylene-vinyl acetate copolymer**

Wide Detection Range

Chemical raw materials

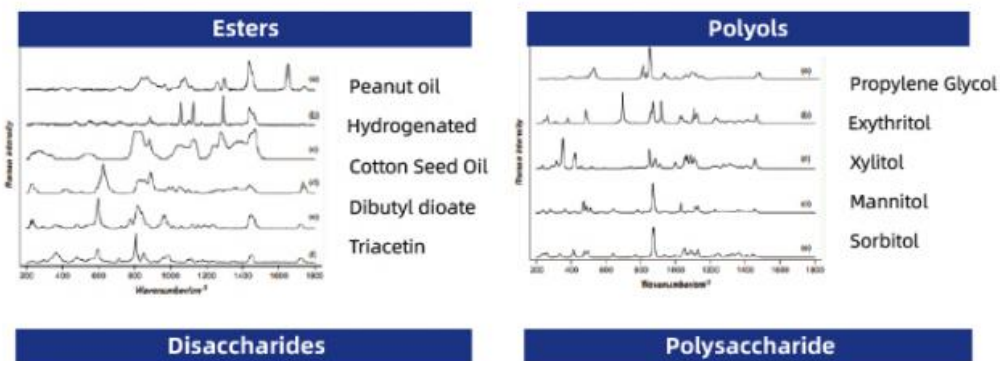
aspirin,acetaminophen,folic acid,nicotinamide,etc.

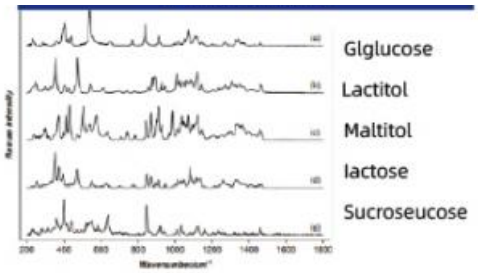
Pharmaceutical excipients

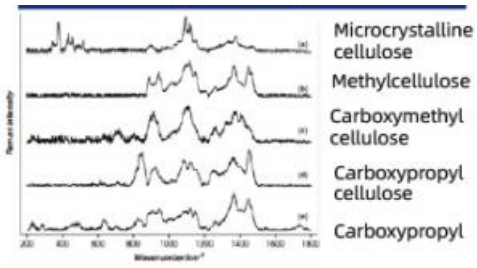
salts,alkalis,sugars,esters,alcohols,phenols,etc.

Packaging materials

polyethylene,polypropylene,polycarbonate,ethylene-vinyl acetate copolymer, etc.







Application Field

● Narcotics and precursors: Substances that are classified as narcotics, along with their chemical precursors, are strictly regulated due to their potential for abuse and harmful effects on human health. These substances include a wide range of drugs, such as opioids, and amphetamines, as well as the raw materials and chemicals used in their production, which can be diverted for illicit purposes.

● Explosives: Materials that have the capability to produce sudden and violent release of energy, resulting in a blast or shock wave, are categorized as explosives. These substances are highly controlled due to their potential for causing significant damage, destruction, and loss of life. Common examples include dynamite, TNT, and various types of military-grade explosives.

● Dangerous Liquid: Liquids that pose a significant threat to health, safety, or the environment due to their flammability, corrosiveness, or toxicity are classified as dangerous liquids. These liquids can be highly flammable, such as gasoline, or they may be hazardous chemicals that can cause severe burns or environmental contamination upon contact or release.

● Industrial raw materials: Raw materials that are used in various industrial processes to manufacture goods and products are subject to regulation due to their importance in the production chain. These materials include metals, minerals, chemicals, and other substances that are essential for the manufacturing of goods ranging from construction materials to electronics and machinery. The control of these materials is crucial to ensure the smooth operation of industries and to prevent their diversion for unauthorized or harmful uses.

Application Field

Narcotics & precursors

Heroin, Methyl amphetamine (lce). Ephedrine， Acetone, etc.

Explosives

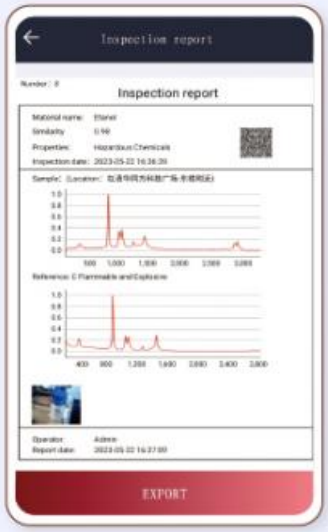
TNT, RDX, TATP, Nitra mine, etc.

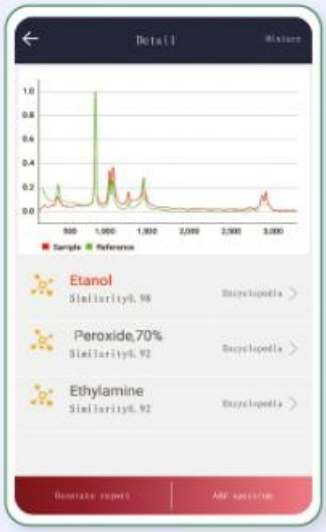
Dangerous Liquid

Ethanol, Gasoline, Hydrogen peroxide, Nitric acid, etc.
Gem: Diamond, Agate， Jade, etc.

Industrial raw materials

PET, PP, PS, etc.





No Sampling Required

It can directly detect through woven bags, plastic, glass, paper packaging, and other types of packaging.

Woven Bag

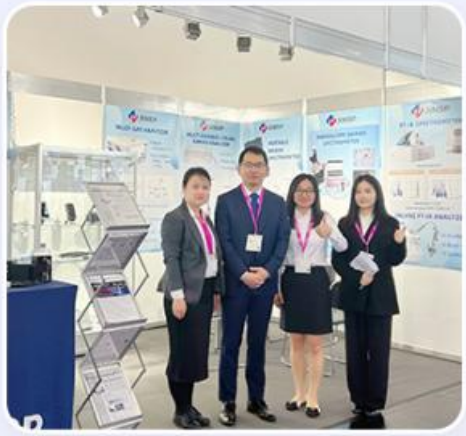
Plastic Packaging

Plastic Barrel

JINSP Company Limited has won the National Science and Technology Commission's Scientific and Technological Achievement Appraisal Certificate and the China Patent Excellence Award, and related products have been obtained has won authoritative awards such as the Geneva International Invention Award, the Beijing New Technology and New Product Certificate, and the "Innovation Achievement Award" of the Zhu Liangyi Analytical Instrument Innovation Award.In addition, JINSP participated in the drafting of several national and international standards, including participating in the drafting of an international standard as the only participating unit in China IEC 63085 International Standard: System of spectral identification of liquids in transparent or semitransparent containers; Drafting of two national standards: GB/T 41086-2021 "General Technical Requirements for Safety Inspection Equipment for Hazardous Chemicals Based on Raman Spectroscopy", GB/T 40219-2021 "General Specification for Raman Spectrometer".

Company Profile

Exhibition



Certifications

FAQ

Q1:How to receive a best price in the shortest time?
A1:When you send us an inquiry,please kindly offer details with wavelength,detector,effective pixels,focal length and so on.We will send you quotation with details soon to your email.

Q2:Can you offer a operation training?
A2:Your technicians can come to our factory for a training. Jinsp technical engineers can go to your place for local support.
(installation, training,debugging,maintenance)

Q3:How to receive a best price in the shortest time?
A3:When you send us an inquiry,please kindly offer details with wavelength,detector,effective pixels,focal length and so on.We will send you quotation with details soon to your email.

Q4:If the spectrometer has problem in my place,how could I do?
A4:The spectrometer has one year warranty.If it breaks down,our technician will figure out what the problem maybe,according to client's feedback.We can repair for free within one year warranty.

Q5:What about quality assurance?
A5:We have a quality inspection team. All goods will go through quality inspection before shipment. We can send you pictures for inspection.

JINSP Company Ltd.

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