

## Handheld Raman Spectrometer with 21CFR Part11 Compliance for Pharmaceutical Materials Identification

Our Product Introduction

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### Basic Information

- Place of Origin: CHINA
- Brand Name: JINSP
- Certification: ISO9001 CE
- Model Number: RS1500DI
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: International Shipping Package
- Delivery Time: 30-40 working days
- Payment Terms: T/T, Western Union
- Supply Ability: 100PCS/30-40 days



### Product Specification

- Laser Wavelength: 1064nm
- Response Speed: ~15s
- Function: Qualitative Identification Of Compounds
- Spectral Library: 20000
- Weight: 730g
- Survivability: IP68
- Highlight: **Pharmaceutical Materials Handheld Raman Spectrometer**  
Handheld Raman Spectrometer for Pharmaceutical Materials  
21CFR Part11 Handheld Raman Spectrometer



### More Images



## Product Description

### RS1500DI Handheld Raman Spectrometer

Raman spectroscopy addresses pharmaceutical quality needs through a single platform: non-destructive material ID, polymorph/hydrate analysis, continuous process verification, and anti-counterfeit fluorescence detection. These combined capabilities satisfy international pharmacopoeial standards requiring container-level authentication of starting materials. This multifunctional technique meets pharmaceutical compliance needs through, sealed-container material validation, polymorphic form analysis, continuous manufacturing control, fluorescence-based anti-counterfeiting, adherence to international standards requiring per-package starting material confirmation - all achieved through spectral fingerprint analysis.

Ensure material integrity from receiving dock to tablet press: JINSP RS1500DI's non-contact analysis minimizes cross-contamination risks while meeting stringent FDA data integrity standards. Includes spectral libraries for common pharmaceutical polymers and JINSP's validation protocols.

Item	Description
Laser	1064nm
Size	176mm*87mm*33mm
Weight	730g
Connection	Wi-Fi, 4G, Bluetooth, Micro-USB
Operation	5" Touch Screen, big button, intuitive man-machine interface operation
Power Supply	Rechargeable lithium battery, 4-6h
Detection Range	Chemical raw materials; Pharmaceutical excipients; Packing materials; Biochemical raw materials; Pigment excipients
Result	Name, Property, Spectrum, MSDS, Result-report

### Technical Features

Rapid detection capability: completes identification within seconds.

Non-invasive analysis: detects through various packaging materials including glass, woven bags, and plastics.

Portable design: lightweight construction enables flexible movement across different work environments.

Instant analysis: eliminates sample preparation requirements, ensuring safety and simplicity.

Precision recognition: utilizes advanced machine learning algorithms for accurate identification with high specificity.

### Wide Detection Range

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

Compared with ordinary 785nm Raman, it has stronger detection ability

- Biochemical raw materials: amino acids and their derivatives, enzymes and coenzymes, proteins, etc.
- Pigment excipients: carmine, carotene, curcuminchlorophyll, etc.
- Other polymer excipients: gelatin, microcrystalline cellulose, etc.

*perform 100% package-by  
package inspection*

**Handheld Raman Spectrometer**

***RS1500DI***



RS1500DI is compliant with relevant regulations  
such as FDA 21CFR Part11 and GMP

# Technical Features

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## 『 Wide detection range 』

chemical and biochemical raw materials and pigments can be identified

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## 『 Convenient 』

it can directly detect through glass, woven bag, paper bag, plastic and other packaging

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## 『 Compact and lightweight 』

It can be moved flexibly in warehouses, material preparation rooms, and production workshops etc.

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## 『 Quick response 』

identification can be completed within seconds

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## 『 No need to take samples 』

no need to transfer raw and auxiliary materials to the sampling room, which can avoid sampling pollution

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## 『 Identification accuracy 』

Advanced machine learning algorithm supports accurate recognition

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# Product Advantages

## - 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.

### ◆ Biochemical raw materials

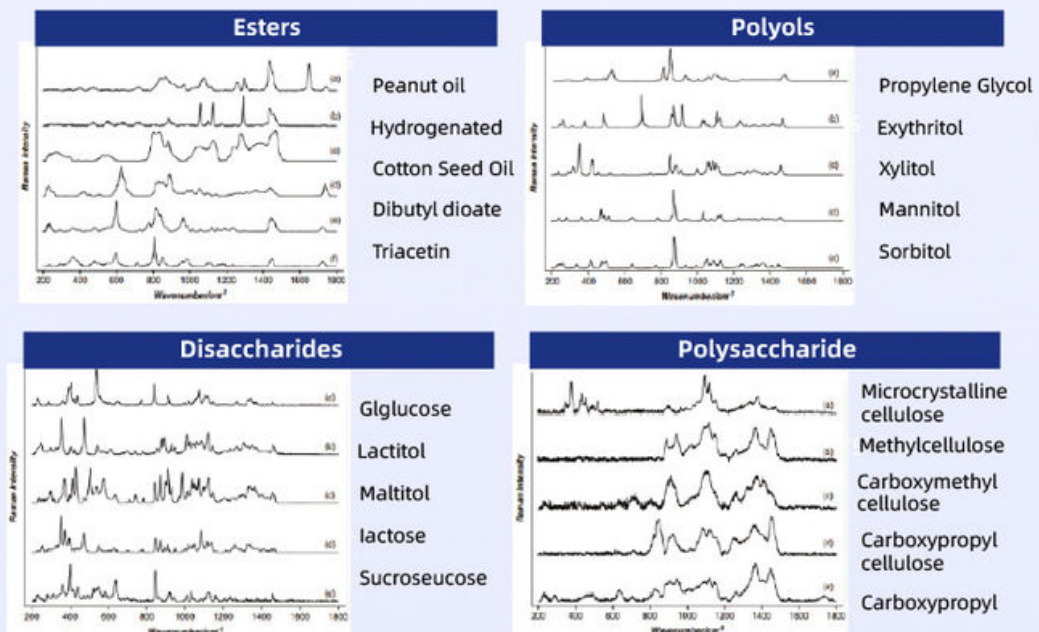
amino acids and their derivatives, enzymes and coenzymes, proteins, etc.

### ◆ Pigment excipients

carmine, carotene, curcumin, chlorophyll, etc.

### ◆ Other polymer excipients

gelatin, microcrystalline cellulose, etc.



## - No sampling required -

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



**Woven Bag**



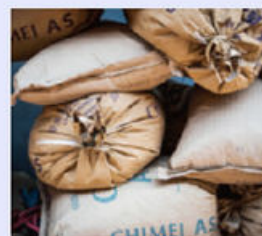
**Plastic Packaging**



**Plastic Barrel**



**Plastic Barrel**



**Paper Packaging**

## **- Wide application area -**

Compact and lightweight, a single device can fulfill the requirements of multiple environments, including warehouses, material preparation rooms, and production workshops.



JINSP Company Limited, abbreviated as "JINSP", is a professional supplier with over 17 years of experience in spectral detection technology products, including Raman, FT-IR, LIBS technologies, etc. After 17 years of technology accumulation, the company's core key technologies have reached the international leading position at the level, and the cumulative number of patent applications exceeded 200.

JINSP offers over twenty spectroscopic products across various fields, including pharmaceutical and chemical industries, public security, and customs. Products are available nationwide and are exported to over 30 countries, with cumulative sales exceeding 3,000 units.

Benefit from 30+ R&D engineers, including 4 Ph.D., JINSP is deeply rooted in the field of personalized product customization, and is committed to meeting the diverse and unique needs of customers with excellent professional technology and innovative design capabilities.

# Company Profile









## FAQ:

**Q: What is the brand name of the pharmaceutical spectrometer?**

A: The brand name of the **pharmaceutical spectrometer** is JINSP.

**Q: What is the model number of pharmaceutical rapid identification?**

A: The model number of the **pharmaceutical spectrometer** is RS1500DI.

**Q: Is the pharmaceutical rapid identification Spectrometer certified?**

A: Yes, It is and it is certified with CE as well.

**Q: Do you have MOQ requirement of each order?**

A: No, we support order for even 1pc order.

**Q: What is the product warranty?**

A: All product has 1 year warranty, support extending warranty period with extra cost.



JINSP

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