Handheld Raman Spectrometer Non-Destructive Material Verification for Pharmaceutical QC Teams

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: **Handheld Raman Spectrometer,
                           Pharmaceutical QC Raman Spectrometer,
                           Non-Destructive Raman Spectrometer**

More Images

RS1500DI Handheld Raman Spectrometer

Raman spectroscopy fulfills international pharmaceutical regulations through its unique combination of capabilities: sealed-container analysis, crystalline form identification, and production line monitoring. The technology's inherent counterfeit detection via fluorescence profiling complements its primary functions in raw material verification and hydrate characterization per pharmacopoeial guidelines.

Transform raw material management with this mobile Raman solution. The RS1500DI's 1064nm technology penetrates challenging pharmaceutical samples, enabling non-destructive testing of pigments and biochemicals. Complete with 21CFR part11 compliance protocols and JNSP's installation/validation expertise.

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 ram 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

『 Wide detection range 』

chemical and biochemical raw materials and pigments can be identified

『 Convenient 』

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

『 Compact and lightweight 』

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

『 Quick response 』

identification can be completed within seconds

『 No need to take samples 』

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

『 Identification accuracy 』

Advanced machine learning algorithm supports accurate recognition

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.
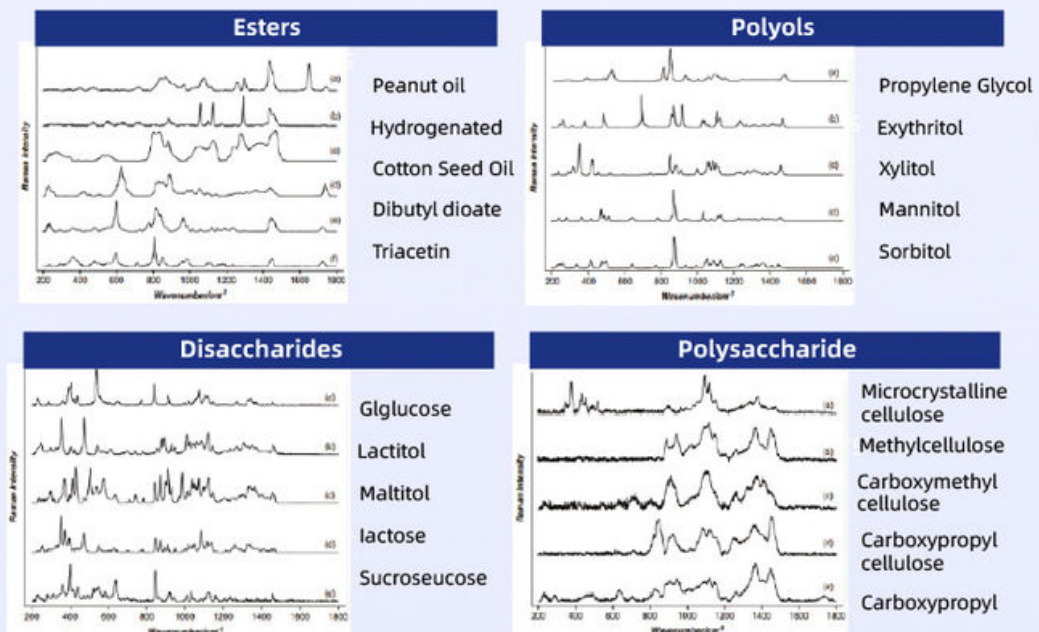
✦ **Biochemical raw materials**

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

✦ **Pigment excipients**

carmine,carotene,curcuminchlorophyll,etc

✦ **Other polymer excipients**

gelatin,microcrystalline cellulose,etc.

Esters	
	Peanut oil
	Hydrogenated
	Cotton Seed Oil
	Dibutyl dioate
	Triacetin

Polyols	
	Propylene Glycol
	Exythritol
	Xylitol
	Mannitol
	Sorbitol

Disaccharides	
	Glglucose
	Lactitol
	Maltitol
	lactose
	Sucroseucose

Polysaccharide	
	Microcrystalline cellulose
	Methylcellulose
	Carboxymethyl cellulose
	Carboxypropyl cellulose
	Carboxypropyl

- No sampling required -

It can directly detect through woven bags, plastic, glass, paper packaging, and other types of packaging.
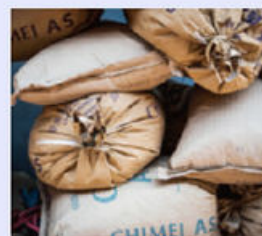
Woven Bag **Plastic Packaging** **Plastic Barrel**

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.

Storehouse

Material room Production workshop

JINSP Company Limited, abbreviated as "JINSP", is a professional supplier with over 17 years of experience irspectral 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

Exhibition

Certifications

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 Company Ltd.

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