

Small Size Near-infrared Fiber Spectrometer Modular Design Industrial NIR Spectrometer

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: JINSP
- Certification: CE
- Model Number: SR50R
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Customized Packaging
- Delivery Time: 30-50working days
- Payment Terms: T/T, Western Union
- Supply Ability: 100 PCS/70-90 days



Product Specification

- Effective Pixels: 128 (256 Optional)
- Cell Size: 50μm*250μm
- Sensitive Area: 6.4mm*0.25mm
- Wavelength Accuracy: ±0.3 Nm
- Measurement Range: 900-1700 Nm
- Spectral Resolution: 0.1 Nm
- Highlight: **Small Size Near-infrared Fiber Spectrometer, Industrial NIR Spectrometer, Modular Design NIR Spectrometer**



More Images



Product Description

High-Performance Near-infrared Fiber Modular Spectrometer

The JINSP SR50R17 spectrometer is a compact and economical choice for 900nm to 1700nm near-infrared spectroscopy, featuring a non-cooled InGaAs sensor that delivers high sensitivity and resolution. With the addition of a light source, optical fiber, and test holder, it is ideal for near-infrared absorption, reflectance, and transmission measurements to analyze materials' optical properties, such as absorption, scattering, and transmission, and to evaluate material quality and performance. Its competitive pricing also makes it an excellent choice for industrial NIR spectrometer system integration.

1.7 μ m Near Infrared Non-cooled Spectrometer

High resolution, Compact size, Cost effective

SR50R



Features

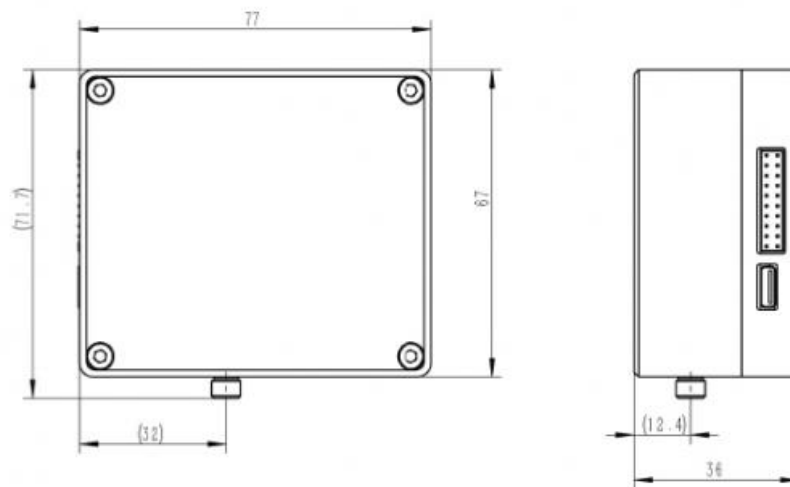
The equipment's small size and lightness make it convenient for carrying and handling.

The gold-coated lens delivers high near-infrared reflectance, ensuring precise and dependable functionality.

It supports USB and UART for exporting spectral data, which simplifies its integration into various systems and devices.

Technical Characteristics

- ✓ Compact and low cost High resolution
- ✓ Receive SMA905 fiber input to obtain free space optical
- ✓ Compatible with USB or UART interface to output measured spectrum data
- ✓ Lens surface is plated with gold film, high efficiency of near-infrared reflection



Installation dimension drawing

Technical Parameters

Product Name	Near Infrared Non-cooled Spectrometer
Wavelength Range	900-1700nm
Chip Type	Linear array InGaAs
Entrance Slit width	5μm, 10μm, 25μm, 50μm (customizable)
Incident Light interface	SMA905, free space
Integration Time	1ms-5s
Operating Humidity	<90%RH (no condensation)
Dimensions	77mm*67mm*36mm
Weight	0.4KG

Applications

Moisture content measurement, waste water testing
Detection of substances such as fat, oil, protein, fiber etc.
Grain and fodder quality testing
Measurement of pharmaceutical mixture components

Typical Applications



*Moisture content measurement,
wastewater testing*

*Detection of substances such
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Grain and fodder quality testing

*Measurement of pharmaceutical
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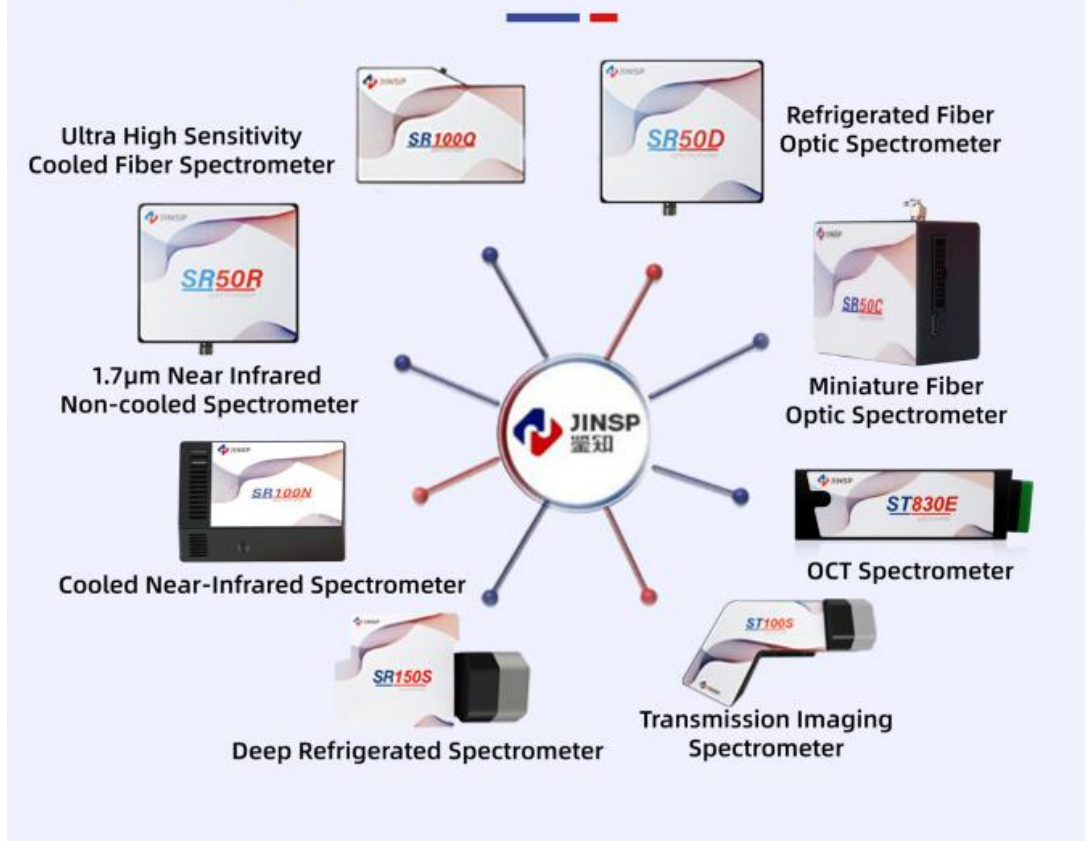


Support and Services

The Near infrared spectrometer provides high-performance spectral measurements in a portable and affordable package. Our product technical support and services include:

- Expert technical assistance and troubleshooting
- Comprehensive product documentation and user manuals
- Software updates and upgrades

Spectrometer Series



Company Profile and Exhibition

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.

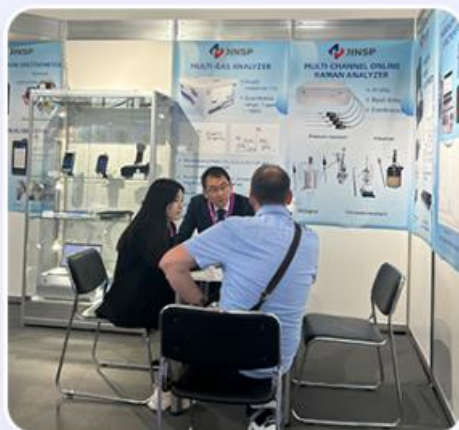
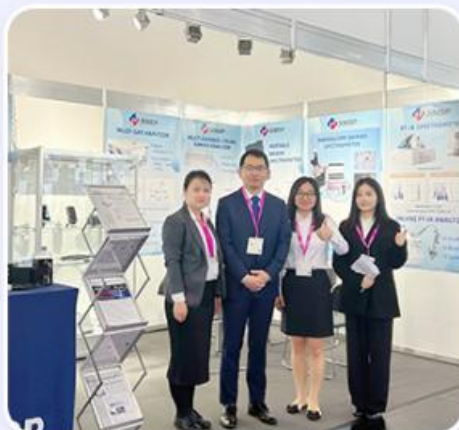
Benefit from 30+ R&D engineers, including 4 Ph.D., JINSP is deeply rooted in the field of personalized product customization, and is committed to meeting the diverse and unique needs of customers with excellent professional technology and innovative design capabilities.

We uphold the core value of "customer-centric" to ensure that every customer can enjoy unprecedented flexibility and personalized experience. From the initial concept to the final product, we work closely together to ensure that every detail is accurately aligned with customer expectations, and together create exclusive products that exceed expectations.

Company Profile



Exhibition



FAQ

Q1: This is the first time I use, is it easy to operate?

A1: We will send you manual and guide video in English, it can teach you how to operate the spectrometer. Also our technicians will offer professional technical operation meetings.

Q2: Can you offer a operation training?

A2: Your technicians can come to our factory for a training. Jinsp 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: Which payment can be acceptable ?

A5: We could accept the payment by T/T, Paypal, Western Union, L/C, etc.



JINSP Company Ltd.

8618620854039

phoebeyu@jinsptech.com

spectralanalyser.com

21st Floor, Building D, Tsinghua Tongfang Science and Technology Plaza, Haidian District, Beijing China