

## NIR Modular Spectrometer JINS 128/256 pixels InGaAs 900nm -1700nm Wavelength Range

### Our Product Introduction

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#### Basic Information

- Place of Origin: CHINA
- Brand Name: JINSP
- Certification: CE ISO9001
- Model Number: SR50R
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Customized Packaging
- Delivery Time: 30-50 working days
- Payment Terms: T/T, Western Union
- Supply Ability: 100 PCS/70-90 days



#### Product Specification

- Type: Linear Array InGaAs
- Effective Pixels: 128 (256 Optional)
- Cell Size: 50μm\*250μm
- Sensitive Area: 6.4mm\*0.25mm
- Wavelength Range: 900-1700nm
- Data Output Interface: USB2.0, UART
- Entrance Slit: 10μm, 25μm And 50μm
- Integration Time: 1ms-5s
- Highlight: InGaAs NIR Spectrometer,  
900nm -1700nm NIR Spectrometer,  
NIR Modular Spectrometer



## Product Description

### 900nm -1700nm Wavelength Range Near Infrared Modular Spectrometer SR50R17

Within the field of near-infrared spectroscopy, the JINSP SR50R17 emerges as a compact and economical solution, boasting a spectral range from 900nm to 1700nm, a feature that is crucial for numerous scientific and industrial applications.

Utilizing a non-cooled InGaAs sensor, this model excels with its outstanding sensitivity and sharp resolution, making it the perfect option for a wide array of applications that require accuracy and efficiency. Its construction allows for dependable operation across various settings, eliminating the necessity for intricate cooling mechanisms, thus lowering maintenance and running expenses.

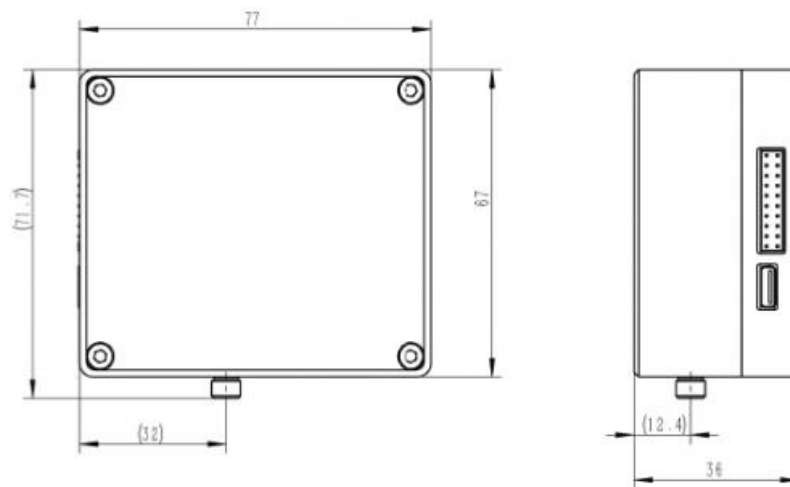


## Features

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

# 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

Some specific scenarios where this product can be used include:

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  
as fat, oil, protein, fiber, etc.*



*Grain and fodder quality testing*

*Measurement of pharmaceutical  
mixture components*



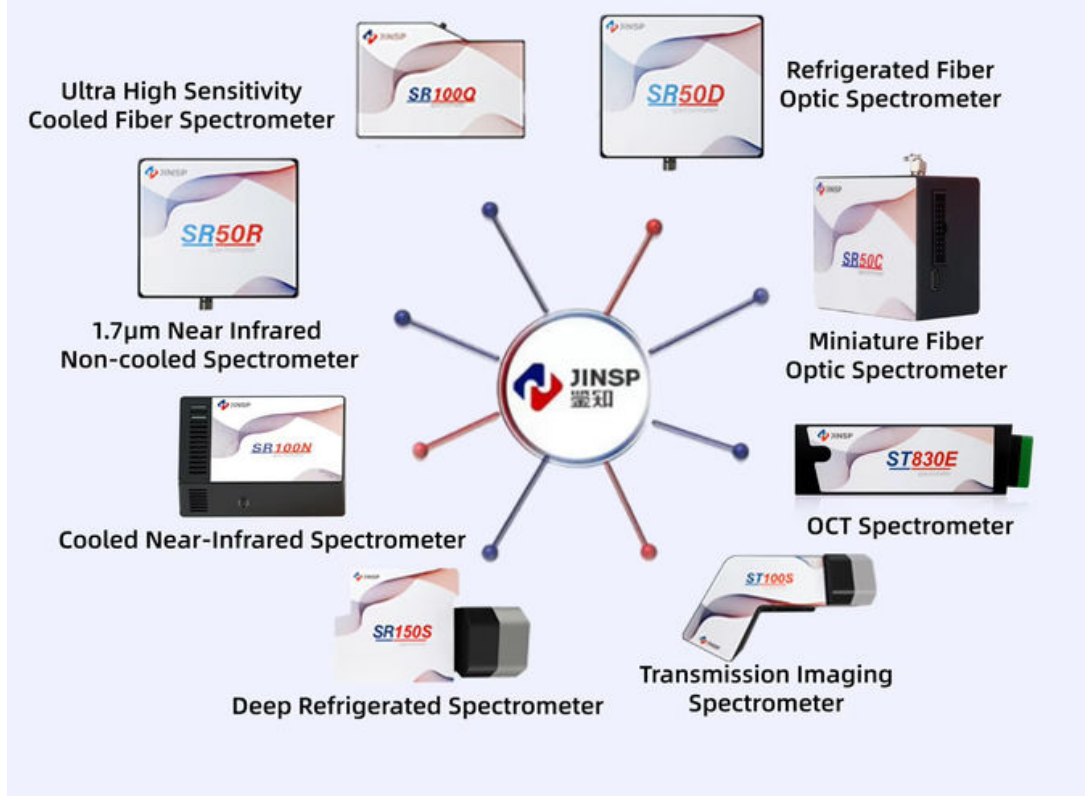
## Support and Services

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
- Calibration and maintenance services
- Customization options to fit specific application needs

Our team of experienced engineers and technicians are dedicated to ensuring the best performance and reliability of your Universal Compact Fiber Spectrometer.

# 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.

JINSP Company received ISO9001:2015, ISO14001:2015, and ISO45001:2018 certifications. JINSP can provide required certifications, such as certification by the Ministry of Public Security or National Institute of Metrology, Environmental Level Certification, IP Level Certification, CE Certification, Transport Identification Report, EU ECAC certification, German ICT Security Testing, etc.

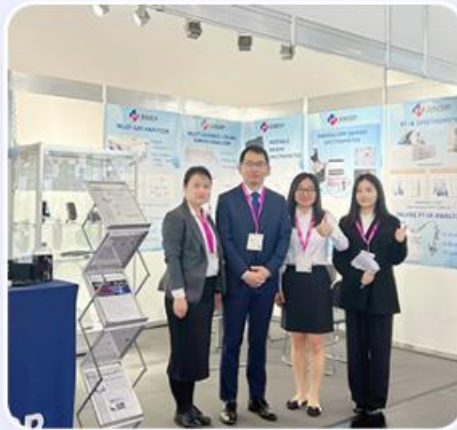
The technology owned by JINSP has won the National Science and Technology Commission's Scientific and Technological Achievement Appraisal Certificate and the China Patent Excellence Award, and related products have been obtained has won authoritative awards such as the Geneva International Invention 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: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.**



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