

Compact Non-Cooled InGaAs Sensor Near Infrared Spectrometer Module With 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: **Non-Cooled Near Infrared Spectrometer, Compact Near Infrared Spectrometer Module, InGaAs Sensor Near Infrared Spectrometer Module**



Product Description

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

The JINSP SR50R17 represents a compact and cost-effective solution within the realm of near-infrared spectroscopy, offering a spectral range that spans from 900nm to 1700nm, which is a significant feature for various scientific and industrial applications.

Employing a non-cooled InGaAs sensor, this particular model stands out due to its exceptional sensitivity and high resolution, making it an ideal choice for a multitude of applications that demand precision and efficiency. Its design ensures that it can perform reliably in a variety of environments without the need for complex cooling systems, thereby reducing maintenance and operational costs.



Features

Compact and low cost, High resolution

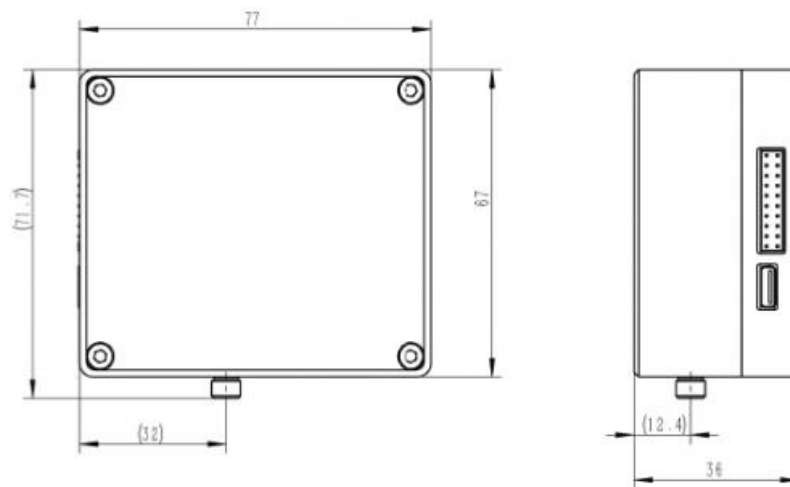
Compatible with USB Or UART interface to output measured spectrum data

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.

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.

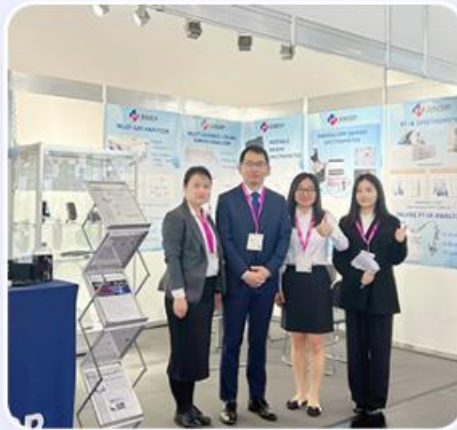
Benefit from 30+ R&D engineers, including 4 Ph.D., JINSP is deeply rooted in the field of personalized product customization, and is committed to meeting the diverse and unique needs of customers with excellent professional technology and innovative design capabilities.

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



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.



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