Advanced Near-infrared Fiber Spectrometer For Accurate And Modular Spectral Measurements

Our Product Introduction

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
- Integration Time: 1 Ms - 10 S
- Highlight: **Advanced Near-infrared Fiber Spectrometer**, **Accurate Near-infrared Fiber Spectrometer**, **Modular Near-infrared Fiber Spectrometer**

More Images

Our Product Introduction

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Product Description

High-Performance Near-infrared Fiber Modular Spectrometer

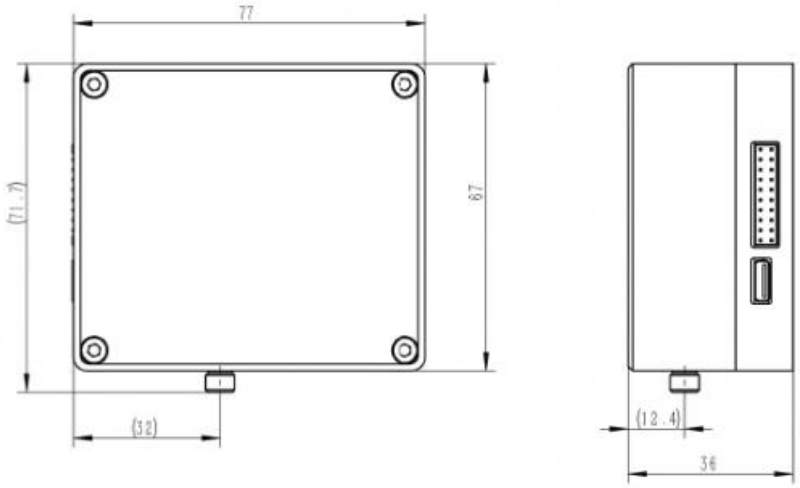
The JINSP SR50R17 is a compact, budget-friendly near-infrared spectrometer that spans the 900nm to 1700nm spectrum, featuring a non-cooled InGaAs sensor with outstanding sensitivity and resolution. Supplied with a light source, optical fiber, and test holder, it is well-suited for near-infrared absorption, reflectance, and transmission measurements, allowing for the analysis of materials' optical properties, such as absorption, scattering, and transmission, and the evaluation of material quality and performance. Its cost-effectiveness also makes it a great option for industrial NIR spectrometer system integration.

Features

This compact and lightweight device is perfect for portability and easy handling.
The gold-coated lens ensures high reflectance in the near-infrared range, providing accurate and reliable performance.
It is compatible with USB and UART interfaces for spectral data transmission, making it easy to integrate with different 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



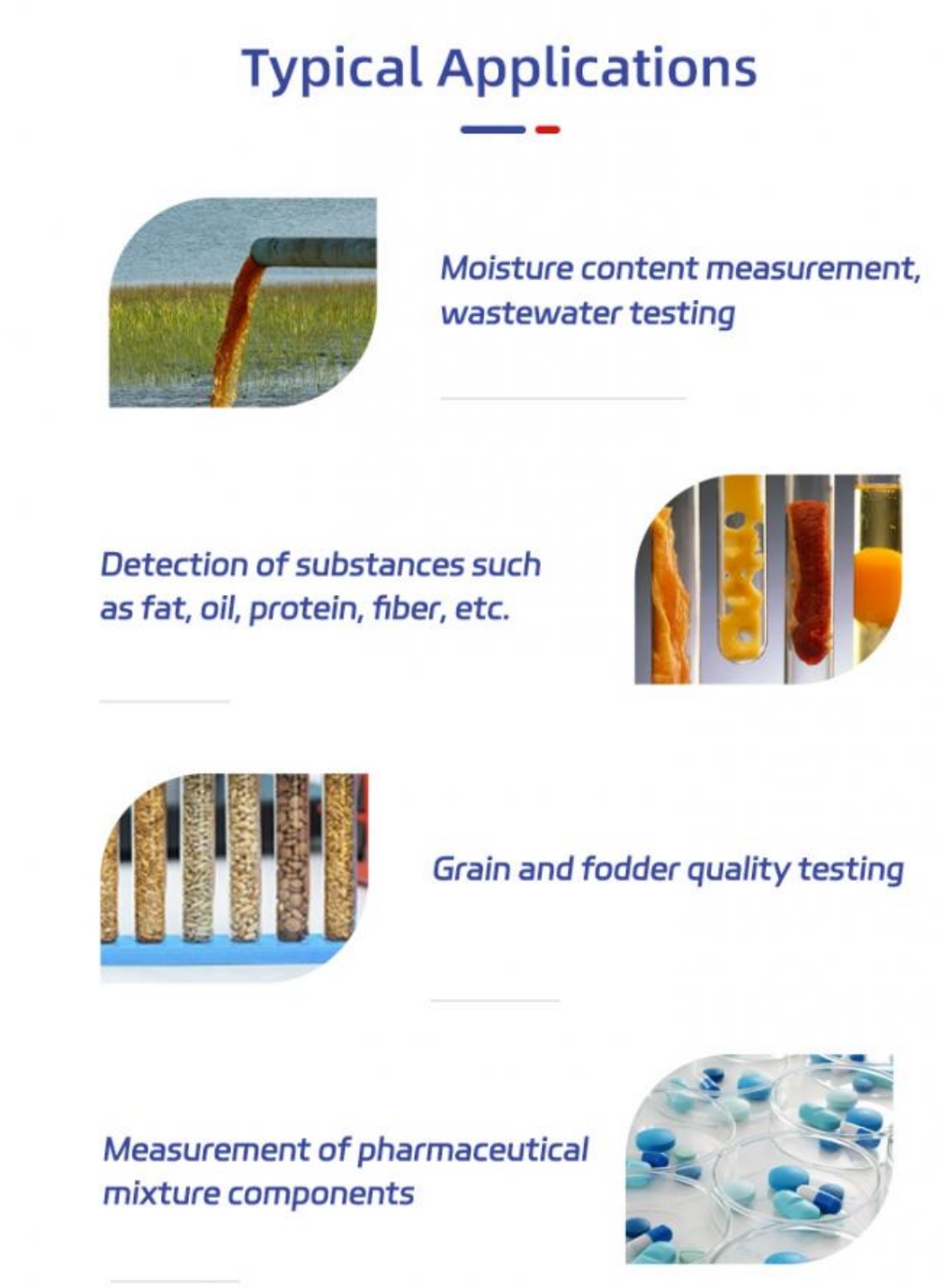
Installation dimension drawing

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

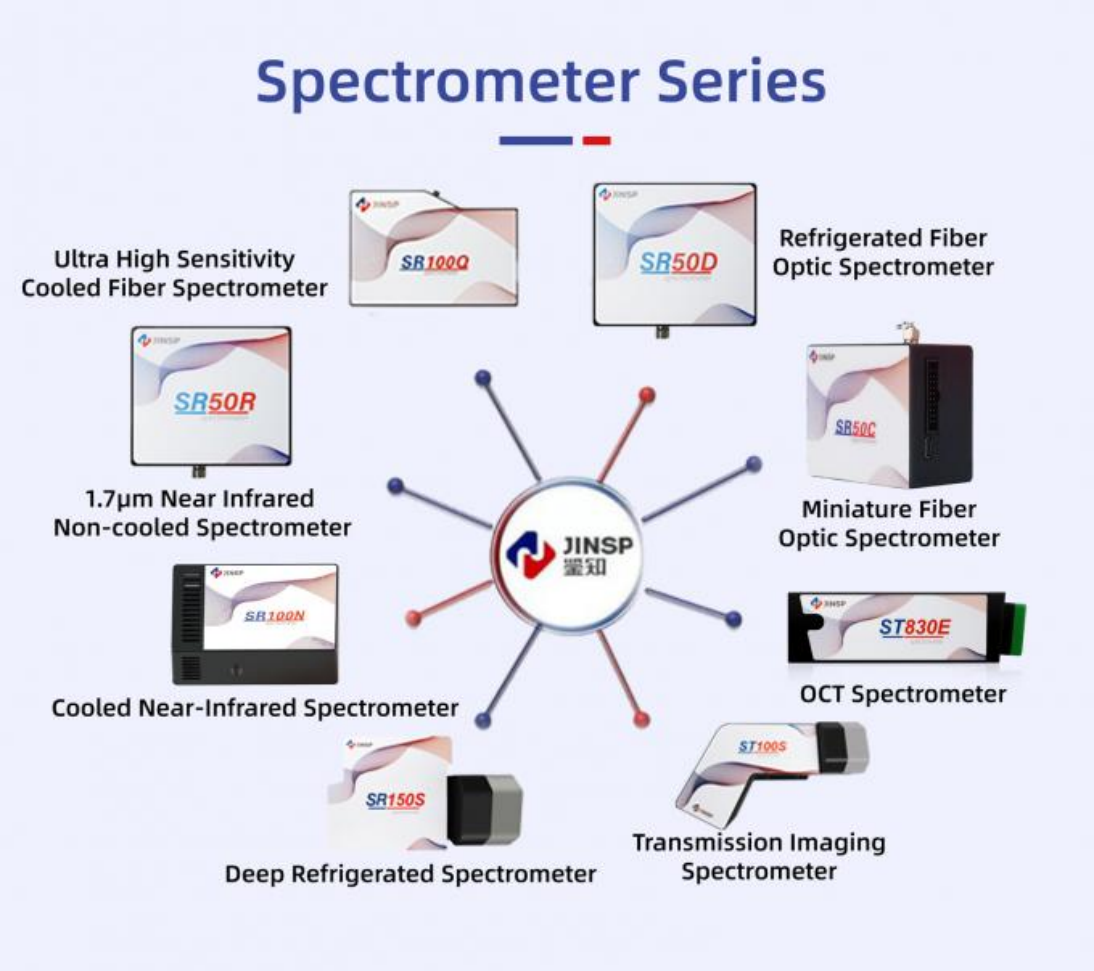
Applications

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



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



Company Profile and Exhibition

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.

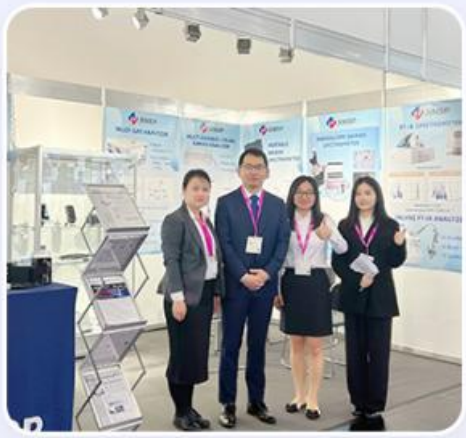
JINSP offers over twenty spectroscopic products across various fields, including pharmaceutical and chemical industries, public security, and customs. Products are available nationwide and are exported to over 30 countries, with cumulative sales exceeding 3,000 units.

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.

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 vedio in English,it can teach you how to operate the spectrometer.
Also our technicians will offer professional tecnical opearation 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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