

## Highly Sensitive 1700nm Near-infrared Fiber Spectrometer for Industrial Applications

Our Product Introduction

for more products please visit us on [spectralanalyser.com](http://spectralanalyser.com)

### 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
- Data Output Interface: USB2.0, UART
- Wavelength Accuracy: ±0.3 Nm
- Measurement Range: 900-1700 Nm
- Spectral Resolution: 0.1 Nm
- Integration Time: 1 Ms - 10 S
- Highlight: 1700nm near infrared spectrometer,  
Near-infrared Fiber Spectrometer,  
Highly Sensitive near infrared spectrometer



### More Images



Product Description

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Product Overview

The JINSP SR50R17 is a compact, cost-efficient near-infrared spectrometer that operates in the 900nm to 1700nm range, featuring a non-cooled InGaAs sensor with high sensitivity and resolution. It comes with a light source, optical fiber, and test holder, making it 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 a great option for industrial NIR spectrometer system integration.

# 1.7 $\mu$ m Near Infrared Non-cooled Spectrometer

High resolution, Compact size, Cost effective

## SR50R



### Key Features

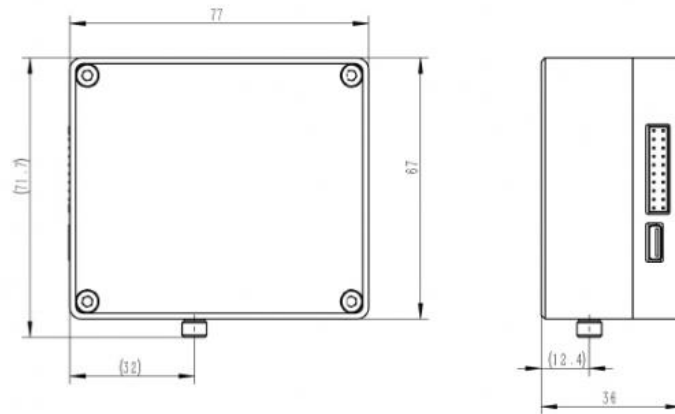
The unit's small size and light weight make it easy to carry and handle.

The gold-coated lens offers high reflectance in the near-infrared range, ensuring precise and dependable operation.

It is designed to work with USB or UART for spectral data transmission, facilitating easy 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

## Typical Applications

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*Moisture content measurement,  
wastewater testing*

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*Detection of substances such  
as fat, oil, protein, fiber, etc.*

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*Grain and fodder quality testing*

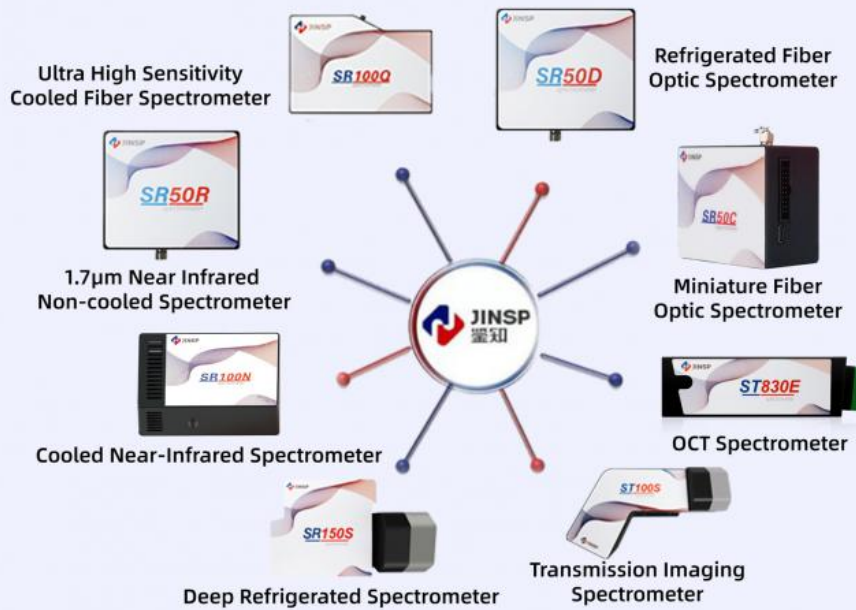
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*Measurement of pharmaceutical  
mixture components*

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## Spectrometer Series



## Company Profile

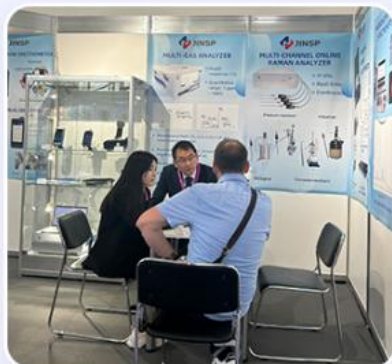
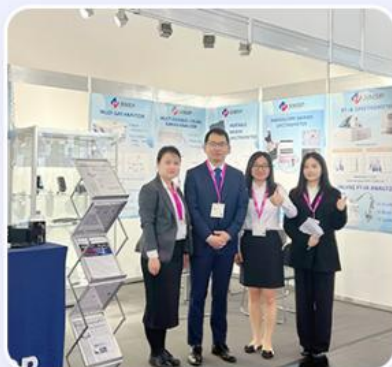
JINSP Company Limited originates from Tsinghua University and has 17 years of experience in developing spectroscopic technology. As a leading supplier of spectroscopic technology, JINSP Technology offers over twenty spectroscopic products across various fields, including pharmaceutical and chemical industries, public security, customs, and fiber optic spectrometers. Our products are available nationwide and are exported to over 30 countries, with cumulative sales exceeding 3,000 units.

## Company Profile





# Exhibition



## Frequently Asked Questions

### 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](mailto:phoebeyu@jinsptech.com)

🌐 [spectralanalyser.com](http://spectralanalyser.com)

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