

Modular Near-infrared Fiber Spectrometer Compact 900nm To 1700nm For Spectral Analysis

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
- 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: **Spectral Analysis Near-infrared Fiber Spectrometer**
, Modular Near-infrared Fiber Spectrometer,
Compact near ir spectrophotometer



More Images



Product Description

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Product Overview

The JINSP SR50R17 spectrometer is designed to offer a compact and economical solution for conducting near-infrared spectroscopy within the spectral range of 900nm to 1700nm. This device is equipped with a non-cooled InGaAs sensor that boasts exceptional sensitivity and high resolution, ensuring precise and detailed spectral analysis.

1.7 μ m Near Infrared Non-cooled Spectrometer

High resolution, Compact size, Cost effective

SR50R

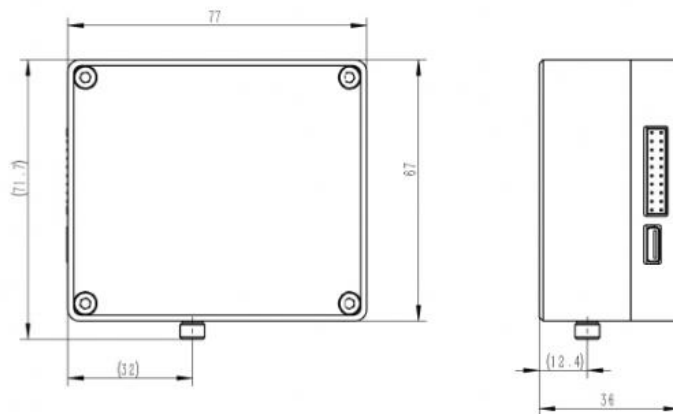


Key Features

- Compact and lightweight design for portability and ease of handling
- Gold-coated lens ensures high near-infrared reflectance for accurate performance
- Versatile connectivity with USB2.0 and UART interfaces
- Complete package includes light source, optical fiber, and test holder
- Cost-effective solution for industrial spectral analysis

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
mixture components*



Support and Services

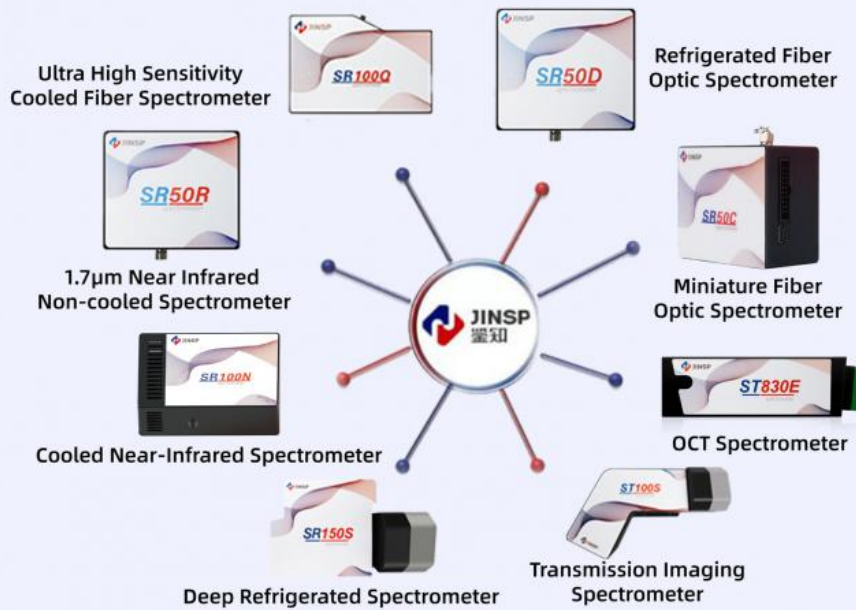
The Near infrared spectrometer provides high-performance spectral measurements in a portable and affordable package. Our product technical support and services include:

Expert technical assistance and troubleshooting

Comprehensive product documentation and user manuals

Software updates and upgrades

Spectrometer Series



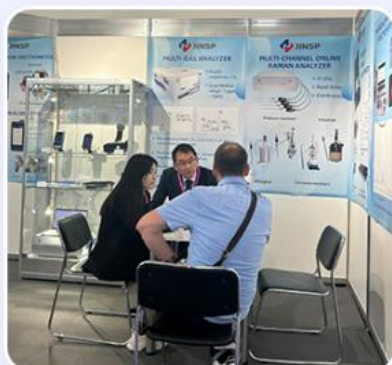
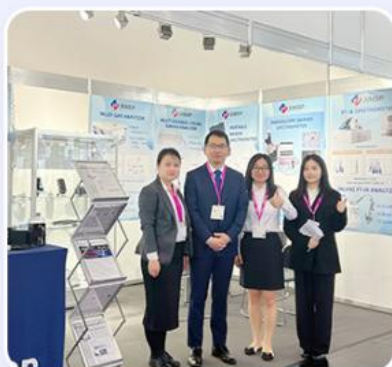
Company Profile

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.



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