

## High Sensitivity CMOS Fiber Optic Spectrometer Module For Environmental Analysis

Our Product Introduction

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### Basic Information

- Place of Origin: CHINA
- Brand Name: JINSP
- Certification: CE
- Model Number: SR50C
- 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

- Detector Type: Linear Array CMOS, Hamamatsu S11639
- Pixel Size:  $14\mu\text{m} * 200\mu\text{m}$
- Optical Design: Type M C-T Light Path
- Slits:  $10\mu\text{m}$ ,  $25\mu\text{m}$ ,  $50\mu\text{m}$ ,  $100\mu\text{m}$ ,  $200\mu\text{m}$  (customizable)
- Highlight: **CMOS Fiber Optic Spectrometer, Environmental Analysis Fiber Optic Spectrometer**  
, **Environmental Analysis Optical Fiber Spectrometer**



### More Images



## Product Description

### Product Description:

The Compact High Sensitivity OEM Spectrometer Module offers a spectral range of 200-1100nm, making it suitable for both visible and near-infrared applications. It has a spectral resolution of 1-2nm, ensuring accurate and precise measurements. With its high sensitivity, it can detect even low light levels, making it perfect for use in low-light environments.

The Universal Compact Fiber Spectrometer is designed to be easily integrated into existing systems, with interchangeable fiber optic connectors and a USB interface for easy communication. Its modular design allows for customization and flexibility, making it adaptable to a variety of industrial applications.

In addition to its compact size and high sensitivity, the Compact High Sensitivity OEM Spectrometer Module is also highly durable and reliable. Its robust design makes it resistant to shock and vibration, ensuring consistent performance even in harsh environments. With its low power consumption and long lifespan, it is a cost-effective solution for long-term industrial use.

Overall, the Universal Compact Fiber Spectrometer is a versatile and reliable spectrometer module that offers high sensitivity and accuracy in a compact and customizable design. Whether used for environmental monitoring, food processing, or medical diagnostics, this spectrometer module is an excellent choice for industrial integration.



### Features:

Product Name: Universal Compact Fiber Spectrometer  
Modular Spectrometers for Industrial Integration  
CMOS Fiber Optic Modular Spectrometers

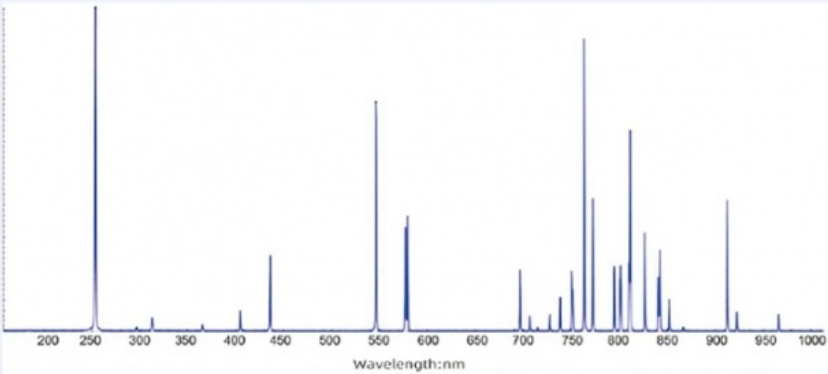
Technical Parameters:

Product Attribute	Description
Product Name	Universal Compact Fiber Spectrometer
Product Type	Compact High Sensitivity OEM Spectrometer Module
Application	Modular Spectrometers for Industrial Integration
Design	Miniature Fiber Optic Spectrometer

Technical Characteristics

Wide Spectral Range

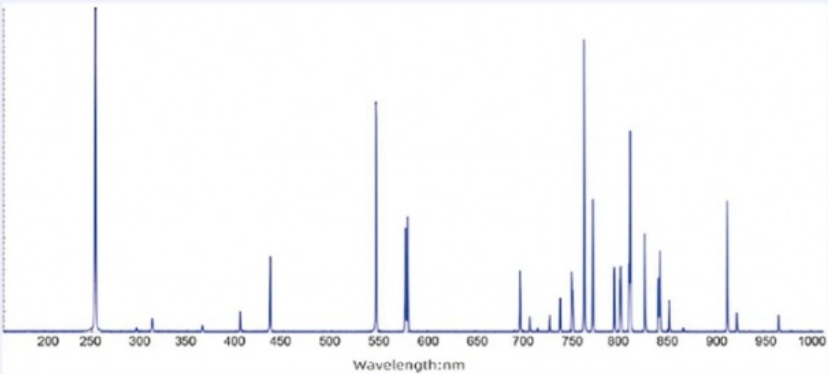
Customized spectral range supporting 200-1100nm



Test results and applications in the range of 200~1000nm–Mercury-Argon Lamp Spectrum

High Signal-to-Noise Ratio

Low-noise CMOS signal processing circuit, with excellent signal-to-noise ratio



Low Noise: Dark noise standard deviation is approximately 20 for 10ms

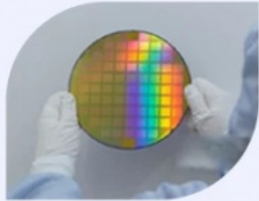
Applications:

The JINSP SR50C is CE certified and manufactured in China, ensuring that it meets the highest standards for quality and performance. It has a minimum order quantity of one unit and its price is negotiable, making it accessible for both small and large scale applications. The JINSP SR50C is ideal for a wide variety of product application occasions and scenarios. It can be used in the medical and pharmaceutical industries for drug analysis, in the food and beverage industry for quality control and analysis, and in the environmental industry for water and air quality monitoring. It can also be used in the automotive industry for color matching and in the textile industry for color measurement.

One of the key features of the JINSP SR50C is its compact size and lightweight design. This makes it easy to transport and use in the field, and it also allows for easy integration into existing systems. Its high precision measurements make it ideal for any application that requires accurate and reliable data.

In summary, the JINSP SR50C is a high-quality and versatile compact spectrometer module that is ideal for use in a wide range of industries and applications. Its CE certification, place of origin in China, and customizable packaging details make it an excellent choice for any business or organization that requires precise measurements of light intensity and wavelength.

## Typical Applications



Supports detection of absorption, transmittance and reflectivity of ultraviolet, visible and near infrared radiations



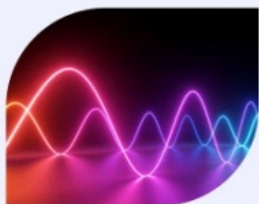
Light source and laser wavelength identification



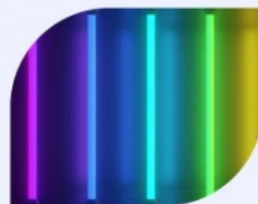
Environmental protection industry (smoke and water quality monitoring)



LIBS



Fluorescence spectrum



Raman spectrum

### Support and Services:

The Universal Compact Fiber Spectrometer product offers technical support and services to ensure the smooth operation of the device. Our team of experts is available to assist customers with any technical difficulties or questions they may have regarding the product. Additionally, we offer calibration and repair services to ensure the accuracy and reliability of the device. Our team can also provide training on how to operate and maintain the product for optimal performance. Please contact us for more information on our technical support and services.

# Company Profile



## Packing and Shipping:

Product Packaging:

Universal Compact Fiber Spectrometer

USB Cable

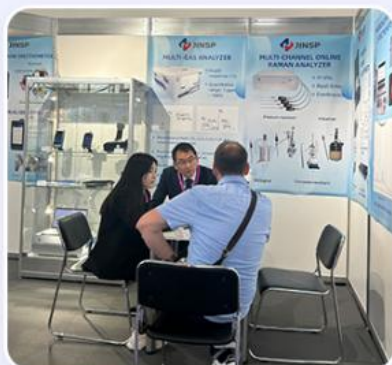
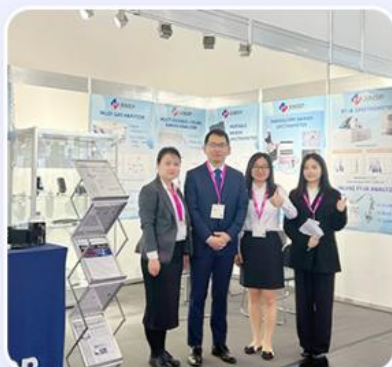
Software USB

User Manual

Shipping:

International shipping available for an additional fee

# Exhibition



## FAQ:

**Q:** What is the brand name of this spectrometer?

**A:** The brand name of this spectrometer is JINSP.

**Q:** What is the model number of this spectrometer?

**A:** The model number of this spectrometer is SR50C.

**Q:** Is this spectrometer certified?

**A:** Yes, this spectrometer is CE-certified.

**Q:** Where is this spectrometer made?

**A:** This spectrometer is made in China.

**Q:** What is the minimum order quantity for this spectrometer?

**A:** The minimum order quantity for this spectrometer is 1.

**Q:** What are the payment terms for purchasing this spectrometer?

**A:** The payment terms for purchasing this spectrometer are T/T and Western Union.

**Q:** What is the supply ability of this spectrometer?

**A:** The supply ability of this spectrometer is 100 PCS/70-90 days.

**Q:** What is the delivery time for this spectrometer?

**A:** The delivery time for this spectrometer is 30-50 working days.

**Q:** How is this spectrometer packaged for delivery?

**A:** This spectrometer is packaged according to the customer's requirements.

**Q:** Is the price negotiable for this spectrometer?

**A:** Yes, the price for this spectrometer is negotiable.



**JINSP Company Ltd.**



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