

## CE Certified Universal Fiber Optic Spectrometer For Analysis

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: SR75C
- 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 Pixel: 2048
- Optical Design: M Type C-T Light Path
- High Signal-to-Noise Ratio: Low-noise CMOS Signal Processing Circuit, With Excellent Signal-to-noise Ratio
- Weight: 310g
- Chip Type: Linear Array CMOS, Hamamatsu S11639
- Dimensions: 110mm\*95mm\*40.5mm
- Highlight: **CE Certified Fiber Optic Spectrometer,  
CE Certified optical fiber spectrometer,  
Fiber Optic Spectrometer For Analysis**

## Product Description

Universal Compact Fiber Spectrometer for Analysis

### Product Description:

This mini spectrometer is designed to provide high signal-to-noise ratio measurements. It features a low-noise CMOS signal processing circuit, which ensures that the device delivers excellent signal-to-noise ratio. This means that the device can accurately measure even the smallest changes in light intensity, providing accurate and reliable data.

The Universal Compact Fiber Spectrometer is a compact device that is easy to use and transport. It has a dimension of 110mm\*95mm\*40.5mm, making it a mini spectrometer that can fit easily into a lab coat pocket or a small carrying case. This makes it an ideal device for field research, where the researcher needs to move from one location to another.

## High-resolution Fiber Optic Spectrometer

High resolution Low noise

# SR75C



### Features:

Product Name: Universal Compact Fiber Spectrometer

Numerical Aperture: 0.085

High Signal-to-Noise Ratio: Low-noise CMOS signal processing circuit, with excellent signal-to-noise ratio

Weight: 310g

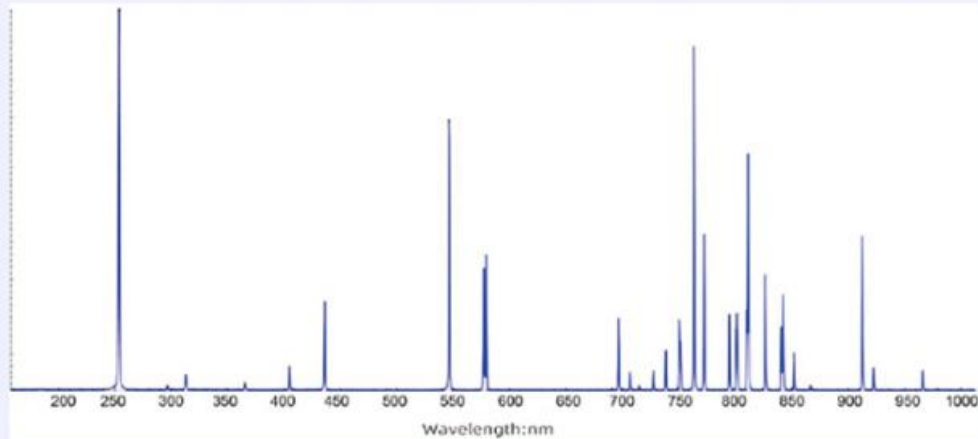
Optic spectrometer

# Technical Characteristics



## Wide Spectral Range

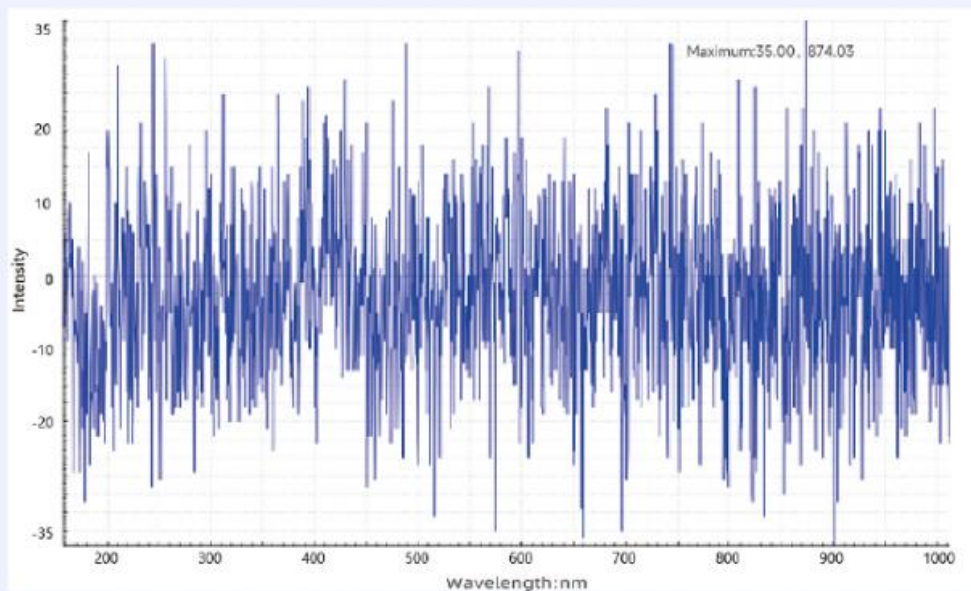
Supports customized spectrum range of 200-1000nm



Test results and applications in the range of 200~1000nm

## High Signal-to-Noise Ratio

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

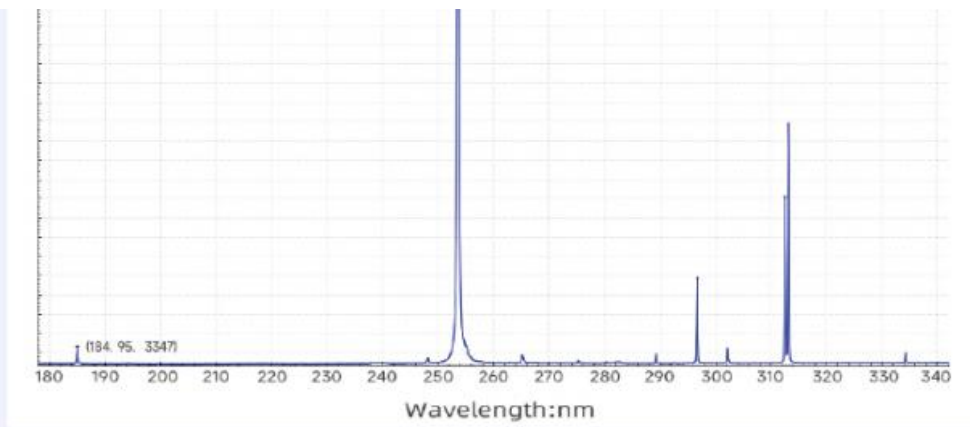


Low Noise: Dark noise standard deviation is approximately 20 for 10ms

## High Resolution

M-shape C-T optical design

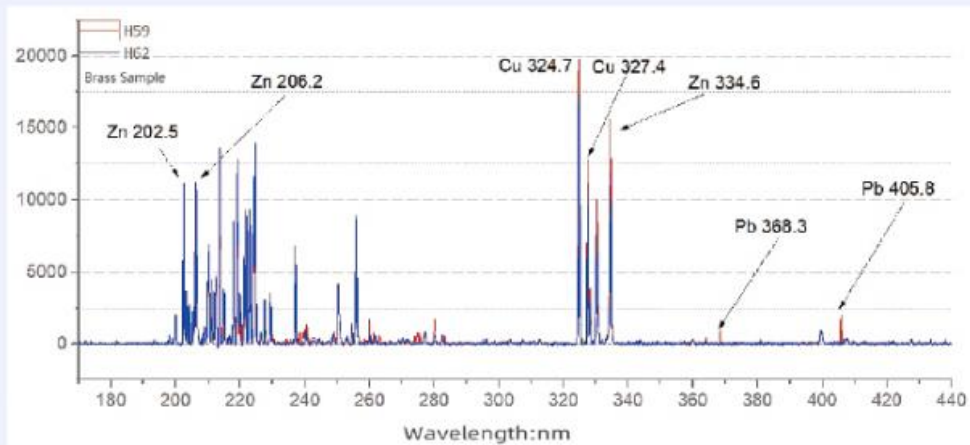




Mercury-Argon Lamp Spectrum (UV 180340nm, Resolution 0.15nm)

## Flexible Application

Supports output of spectrum data via USB and serial port, to integrate the applications



LIBS Mineral User Test Results

### Technical Parameters:

Product Attribute	Technical Parameter
Product Name	Universal Compact Fiber Spectrometer
Weight	310g
High Resolution	M-shape C-T optical design
Flexible Application	Supports output of spectrum data via USB and serial port, to integrate the applications
Dimensions	110mm*95mm*40.5mm
Numerical Aperture	0.085
Low Temperature Drift	Integrated Temperature Sensor and Temperature Drift Compensation Algorithm
Entrance Slit Width	10μm, 25μm, 50μm, 100μm, 200μm (customizable)
Sensing Area	28.7mm *0.2mm

### Applications:

The Universal Compact Fiber Spectrometer is designed with an M Type C-T light path optical design. It has an entrance slit width of 10μm, 25μm, 50μm, 100μm, and 200μm, which is customizable to suit your specific needs. With an effective pixel of 2048, our spectrometer provides you with accurate, high-resolution measurements.

Our product is designed for flexible application, supporting the output of spectrum data via USB and serial port, which allows for easy integration with your applications.

Our spectrometer is suitable for a wide range of occasions and scenarios, including:

**Food and Agriculture:** The Universal Compact Fiber Spectrometer can be used for analyzing the quality and composition of food and agricultural products, such as measuring the sugar content in fruit or the protein content in grains.



Pharmaceuticals: Our spectrometer can be used in the pharmaceutical industry to analyze the purity and composition of drugs and medicines.

Environmental Monitoring: The Universal Compact Fiber Spectrometer can be used to measure air and water quality, detect pollutants and contaminants, and monitor atmospheric conditions.

Research and Development: Our spectrometer is ideal for research and development in various fields, such as material science, chemistry, and physics.

With our customized packaging, you can be assured that your Universal Compact Fiber Spectrometer will arrive in perfect condition. Order now and experience the accuracy and precision of JINSP's SR75C spectrometer.

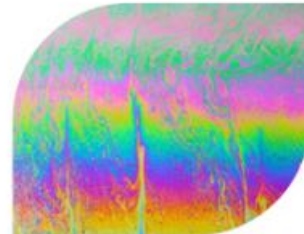
Payment terms include T/T and Western Union. Contact us today for more information on how to place your order.

## Typical Applications



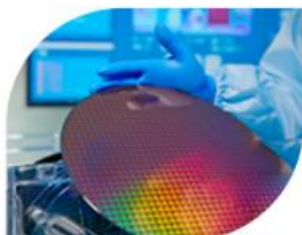
Flue Gas: Monitoring and identification of components in flue gas emissions.

Detection of absorbance, transmittance, and reflectance in ultraviolet, visible, and near-infrared spectra



LIBS: Used for analyzing soil and minerals in geological detection and mining-related work.

Water Quality and Environmental Protection: Online monitoring of organic substances and dissolved oxygen levels in environmental water.



Light source and laser wavelength identification

## Support and Services:

The Universal Compact Fiber Spectrometer is backed by comprehensive technical support and services to ensure maximum performance and usability. Our team of experts is available to provide assistance with installation, operation, and troubleshooting. In addition, we offer regular software updates and calibration services to maintain the accuracy and reliability of the device. Our commitment to customer satisfaction means that we are dedicated to providing timely and effective support to ensure the success of your research or application.

## Company Profile



## Packing and Shipping:

### Product Packaging:

Universal Compact Fiber Spectrometer  
USB cable  
Calibration certificate  
User manual

### FAQ:

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

A: The brand name of this product is JINSP.

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

A: The model number of this product is SR75C.

**Q: Is this product certified?**

A: Yes, this product is certified with CE.

**Q: What is the place of origin of this product?**

A: The place of origin of this product is China.

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

A: The minimum order quantity for this product is 1.

**Q: Is the price of this product negotiable?**

A: Yes, the price of this product is negotiable.

**Q: What are the payment terms for this product?**

A: The payment terms for this product are T/T and Western Union.



**JINSP Company Ltd.**



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