

High Resolution Fiber Optic Spectrometers With Integrated Temperature Sensor

Our Product Introduction

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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

- Dimensions: 110mm*95mm*40.5mm
- High Resolution: M-shape C-T Optical Design
- Wide Spectral Range: Supports Customized Spectrum Range Of 200-1000nm
- Weight: 310g
- Fiber Input: FC/PC Or SMA905
- Power Consumption: 12 VDC, 1.5 A
- Spectral Range: 350-1100 Nm
- Detector Type: Back-Illuminated CCD
- Highlight: **High Resolution Fiber Optic Spectrometers,
High Resolution fiber optic spectrum analyzer,
Fiber Spectrometer with Temperature Sensor**

Product Description

Optical Design M Type C-T Portable Spectrometer with Integrated Temperature Sensor

Product Description:

Designed with an M-shape C-T optical design, this spectrometer is able to provide high resolution and exceptional performance, making it an ideal choice for a variety of applications, including chemical analysis, biological research, and material science.

Equipped with 2048 effective pixels, the Universal Compact Fiber Spectrometer is able to capture even the most subtle changes in the sample being analyzed, ensuring that you always get the most accurate and reliable results possible. Whether you're using this spectrometer for research purposes or for industrial applications, you can be confident in its ability to deliver the results you need.

With its compact and portable design, the Universal Compact Fiber Spectrometer is easy to transport and set up, making it an ideal choice for field work and on-the-go analysis. Whether you're working in a laboratory or out in the field, this spectrometer is an essential tool for anyone who needs accurate and reliable analysis of their samples.

High-resolution Fiber Optic Spectrometer

High resolution Low noise

SR75C



Features:

Product Name: Universal Compact Fiber Spectrometer

High Resolution: M-shape C-T optical design

Dimensions: 110mm*95mm*40.5mm

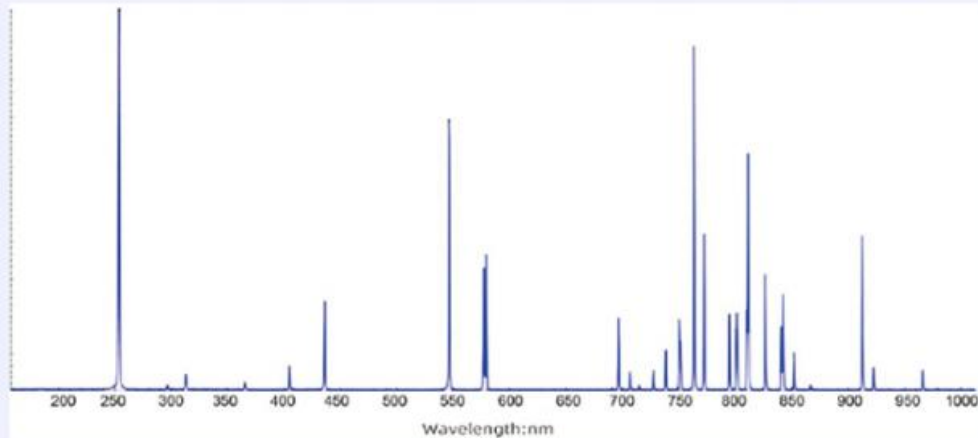
Type: Handheld mini spectrometer

Technical Characteristics



Wide Spectral Range

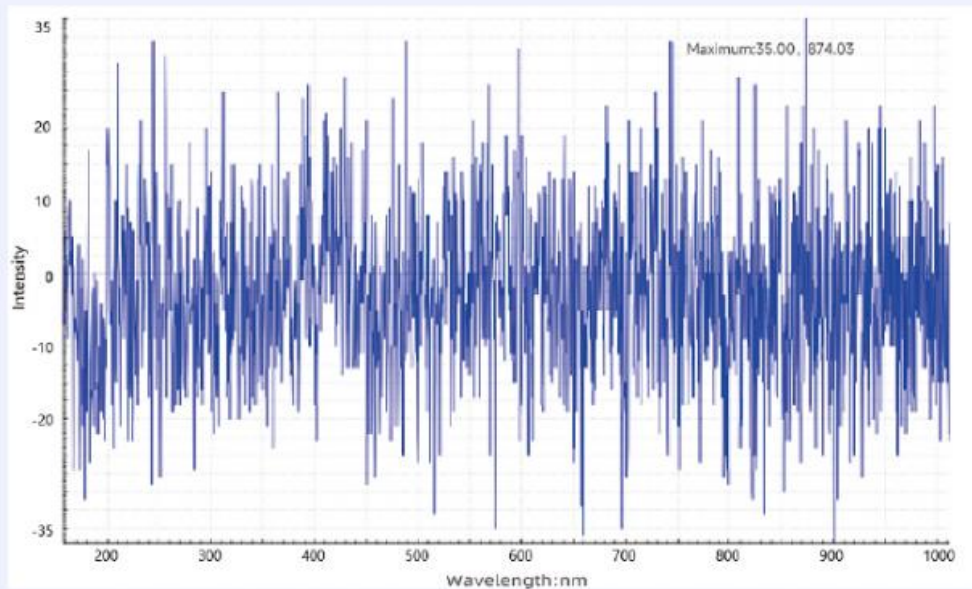
Supports customized spectrum range of 200-1000nm



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

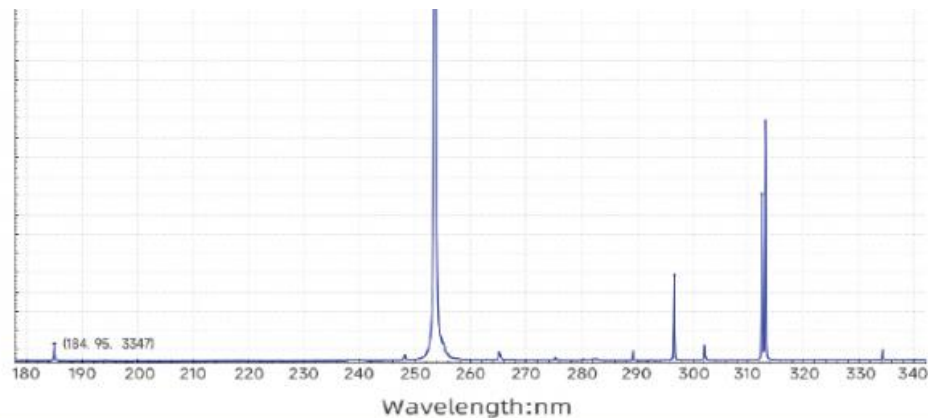


Low Noise: Dark noise standard deviation is approximately 20 for 10ms

High Resolution

M-shape C-T optical design

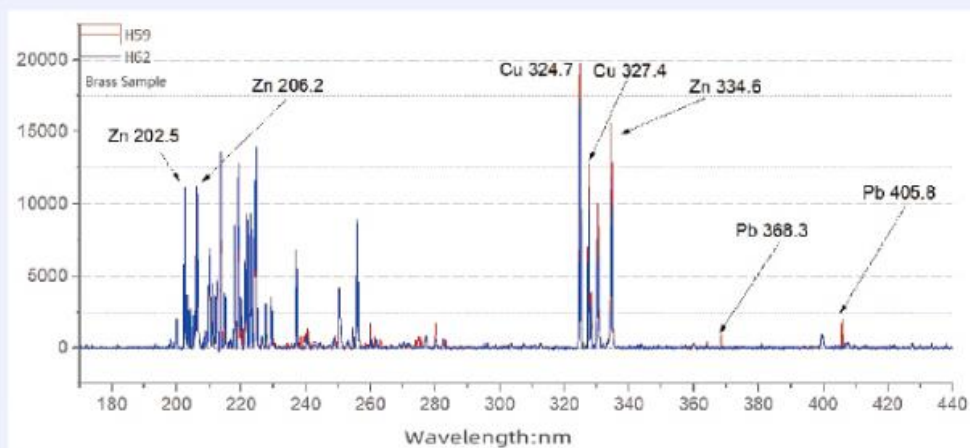




Mercury-Argon Lamp Spectrum (UV 180340nm, Resolution 0.15nm)

Flexible Application

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



LIBS Mineral User Test Results

Technical Parameters:

Optical Design	M Type C-T light path
Wide Spectral Range	Supports customized spectrum range of 200-1000nm
Effective Pixel	2048
High Resolution	M-shape C-T optical design
Sensing Area	28.7mm * 0.2mm
Entrance Slit Width	10μm, 25μm, 50μm, 100μm, 200μm (customizable)
Chip Type	Linear array CMOS, Hamamatsu S11639

Applications:

The JINSP SR75C Universal Compact Fiber Spectrometer is a state-of-the-art optic spectrometer that is CE certified and originates from China. The minimum order quantity is 1 and the price is negotiable, with payment terms of T/T and Western Union. With a supply ability of 100 PCS/70-90 days, and a delivery time of 30-50 working days, this fiber spectrometer is a must-have for any researcher or scientist. The JINSP SR75C Universal Compact Fiber Spectrometer is a Portable spectrometer that has a high signal-to-noise ratio due to its low-noise CMOS signal processing circuit. This ensures that the device provides excellent performance with outstanding signal-to-noise ratio. It has flexible application, offering support for the output of spectrum data via USB and serial port, which can be easily integrated into any application.

The JINSP SR75C Universal Compact Fiber Spectrometer has a numerical aperture of 0.085, making it ideal for a wide range of applications. The product application occasions and scenarios include but are not limited to:

Environmental monitoring for air and water quality

Food and beverage analysis for quality control and safety assurance

Medical and pharmaceutical analysis for drug development and quality control

Material science for characterization and identification of materials

Education and research for teaching and experimentation purposes

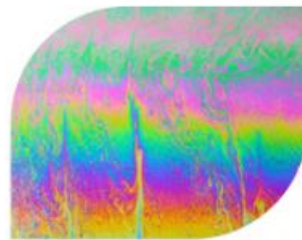
The JINSP SR75C Universal Compact Fiber Spectrometer is designed to be compact, with dimensions of 110mm*95mm*40.5mm. It is therefore easy to transport and store, without taking up a lot of space. The packaging details are also customizable to suit the needs of the customer.

Typical Applications



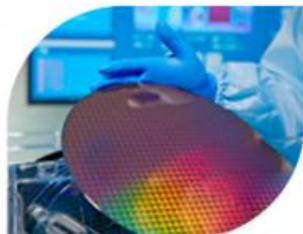
Flue Gas: Monitoring and identification of components in flue gas emissions.

Detection of absorptance, 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:

Our Universal Compact Fiber Spectrometer product comes with comprehensive technical support and services to ensure your satisfaction. Our team of experts is available to answer any questions you may have regarding installation, calibration, maintenance, and troubleshooting. We also offer training sessions to help you get the most out of your spectrometer and optimize your measurements. In addition, we provide repair and replacement services to ensure your instrument is always in top working condition. Contact us for more information on our technical support and services.

Company Profile



Packing and Shipping:

Product Name: Universal Compact Fiber Spectrometer

Product Description: This compact fiber spectrometer is perfect for measuring light spectra in various applications.

Package includes:

Universal Compact Fiber Spectrometer

USB Cable

Instruction manual

FAQ:

Q1: What is the brand name of the compact fiber spectrometer?

A1: The brand name of the compact fiber spectrometer is JINSP.

Q2: What is the model number of the compact fiber spectrometer?

A2: The model number of the compact fiber spectrometer is SR75C.

Q3: Is the compact fiber spectrometer certified?

A3: Yes, the compact fiber spectrometer is CE certified.

Q4: Where is the compact fiber spectrometer manufactured?

A4: The compact fiber spectrometer is manufactured in China.

Q5: What are the payment terms for purchasing the compact fiber spectrometer?

A5: The payment terms for purchasing the compact fiber spectrometer are T/T and Western Union. The price is negotiable and the minimum order quantity is 1. The supply ability is 100 PCS/70-90 days and the delivery time is 30-50 working days. The packaging details can be customized according to the customer's requirements.



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