Low Noise Fiber Optic Spectrometer Identify Light Source And Laser Wavelength

Our Product Introduction

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

- Weight: 310g
- Chip Type: Linear Array CMOS, Hamamatsu S11639
- Low Temperature Drift: Integrated Temperature Sensor And Temperature Drift Compensation Algorithm
- High Resolution: M-shape C-T Optical Design
- Highlight: **Low Noise Fiber Optic Spectrometer**, **Low Noise optical fiber spectrometer**, **Fiber Optic Spectrometer Identify Light Source**

Product Description

Identify Light Source and Laser Wavelength with Universal Compact Fiber Spectrometer

Product Description:

The Universal Compact Fiber Spectrometer features a linear array CMOS chip type, specifically the Hamamatsu S11639. This chip type ensures high sensitivity and low noise, resulting in precise measurements of various light sources. Whether you're measuring the spectrum of a light bulb or analyzing the composition of a chemical sample, this spectrometer is up to the task.
One of the key features of this portable spectrometer is its ease of use. Simply connect the fiber optic cable to the spectrometer and place the other end near the light source to be analyzed. The included software allows for easy calibration and adjustment of parameters, ensuring accurate and consistent results every time.
The Universal Compact Fiber Spectrometer is ideal for a wide range of applications, including but not limited to:

Spectral analysis of LEDs, light bulbs, and other light sources

Chemical composition analysis of liquids and solids

Color analysis of textiles, paints, and other materials

Whether you're a scientist, engineer, or hobbyist, the Universal Compact Fiber Spectrometer is a valuable tool to have in your arsenal. Its small size and portability make it easy to take with you wherever you go, and its reliable performance ensures accurate and consistent results every time.

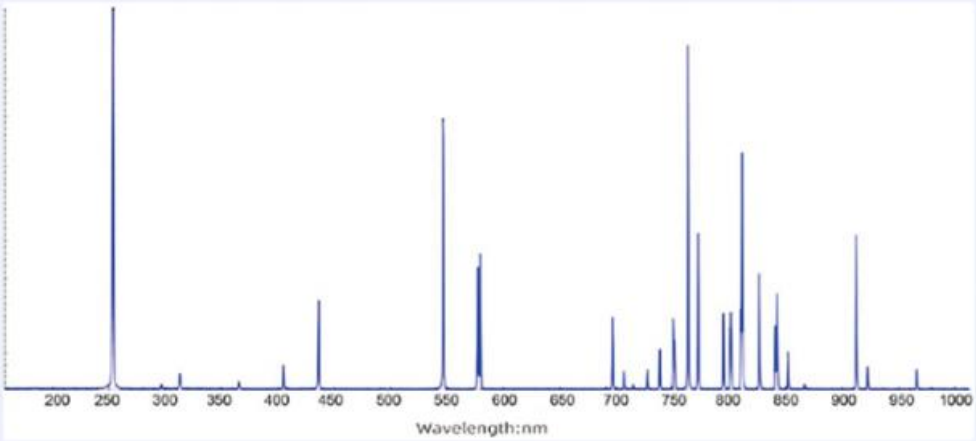
Features:

Product Name: Universal Compact Fiber Spectrometer
Low Temperature Drift: Integrated Temperature Sensor and Temperature Drift Compensation Algorithm
Weight: 310g
Optical Design: M Type C-T light path

Technical Characteristics

Wide Spectral Range

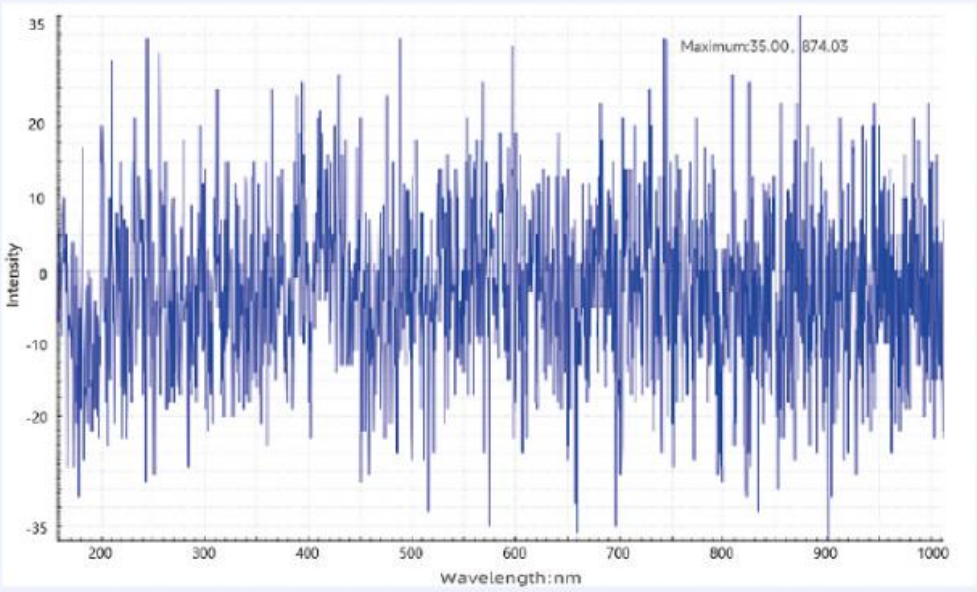
Supports customized spectrum range of 200-1000nm



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

High Signal-to-Noise Ratio

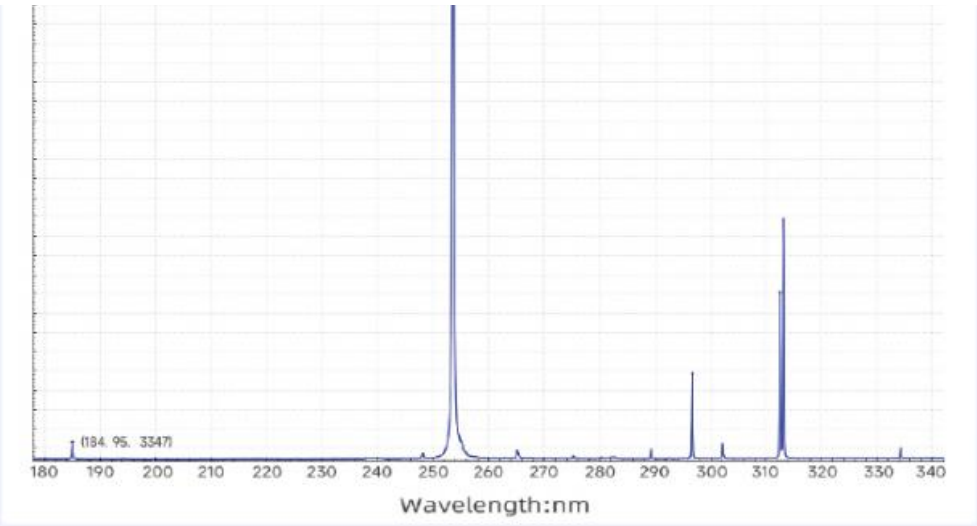
Low-noise CMOS signal processing circuit, with excellent signal-to-noise ratio



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

High Resolution

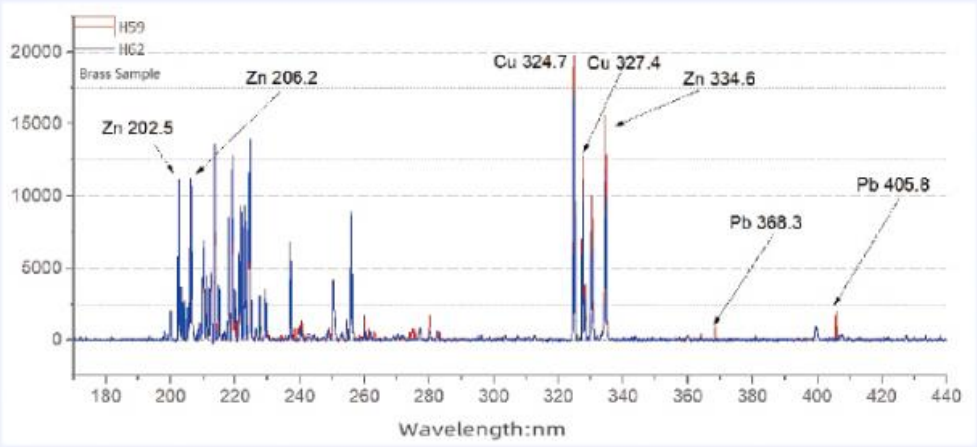
M-shape C-T optical design



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:

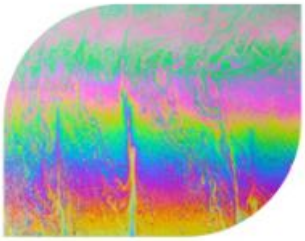
Numerical Aperture	0.085
Chip Type	Linear array CMOS, Hamamatsu S11639
Optical Design	M Type C-T light path
Entrance Slit Width	10μm, 25μm, 50μm, 100μm, 200μm (customizable)
High Resolution	M-shape C-T optical design
Flexible Application	Supports output of spectrum data via USB and serial port,to integrate the applications
High Signal-to-Noise Ratio	Low-noise CMOS signal processing circuit, with excellent signal-to-noise ratio

This handheld mini spectrometer is an ideal choice for Raman spectrometer and Raman mini spectrometer applications.

Typical Applications

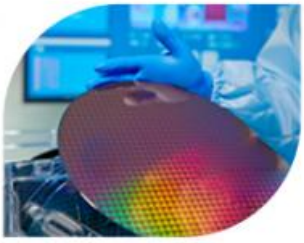
Flue Gas: Monitoring and identification of components in flue gas emissions.

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:

The Universal Compact Fiber Spectrometer is a high-performance, portable spectrometer that is designed for a wide range of applications. It offers exceptional sensitivity and resolution, making it ideal for a variety of scientific and industrial applications.
Our product technical support team is available to assist you with any questions or concerns you may have about your Universal Compact Fiber Spectrometer. Our team of experts is highly knowledgeable about the product and can help you troubleshoot any issues you may encounter.

Company Profile

Packing and Shipping:

Product Packaging:
Universal Compact Fiber Spectrometer
USB cable for data transfer and charging
Protective carrying case
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: What certifications does this product have?
A: This product has a CE certification.
Q: Where is this product manufactured?
A: This product is manufactured in China.
Q: What is the Minimum Order Quantity for this product?
A: The Minimum Order Quantity for this product is 1 PC.
Q: Is the price for this product negotiable?
A: Yes, the price for this product is negotiable.
Q: What are the accepted payment terms for this product?
A: The accepted payment terms for this product are T/T and Western Union.
Q: What is the supply ability for this product?
A: The supply ability for this product is 100 PCS/70-90 days.
Q: What is the estimated delivery time for this product?
A: The estimated delivery time for this product is 30-50 working days.

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