Customized Fiber Optic Spectrometer For Flue Gas Monitoring And Identification

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

- High Resolution: M-shape C-T Optical Design
- Dimensions: 110mm*95mm*40.5mm
- Wide Spectral Range: Supports Customized Spectrum Range Of 200-1000nm
- Optical Design: M Type C-T Light Path
- Chip Type: Linear Array CMOS, Hamamatsu S11639
- Sensing Area: 28.7mm *0.2mm
- Highlight: **Customized Fiber Optic Spectrometer**, **Customized optical fiber spectrometer**, **Flue Gas Monitoring Fiber Optic Spectrometer**

Product Description

Flue Gas Monitoring and Identification with Universal Compact Fiber Spectrometer

Product Description:

The Universal Compact Fiber Spectrometer offers customizable entrance slit widths of 10μm, 25μm, 50μm, 100μm, and 200μm, allowing for flexibility in your experiments and measurements. Weighing only 310g, this mini spectrometer is the perfect companion for fieldwork and other on-the-go applications
The sensing area of the Universal Compact Fiber Spectrometer is 28.7mm * 0.2mm, providing a wide range of detection. Its optical design is the M Type C-T light path, ensuring accurate and precise results every time.
Whether you're in the lab or in the field, the Universal Compact Fiber Spectrometer is the ideal tool for your spectroscopy needs. Its portable and customizable features make it easy to use in a variety of settings, giving you accurate and reliable results every time.

Features:

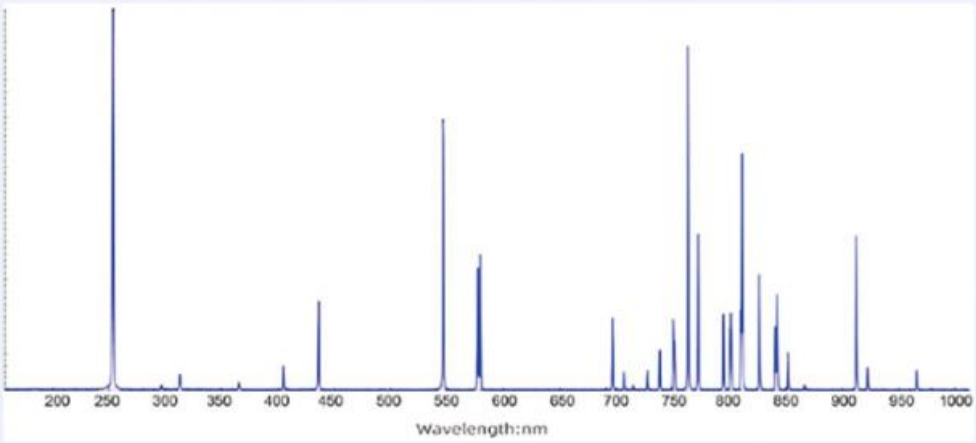
Product Name: Universal Compact Fiber Spectrometer
High Signal-to-Noise Ratio: Low-noise CMOS signal processing circuit, with excellent signal-to-noise ratio
Low Temperature Drift: Integrated Temperature Sensor and Temperature Drift Compensation Algorithm
Wide Spectral Range: Supports customized spectrum range of 200-1000nm
Dimensions: 110mm*95mm*40.5mm
High Resolution: M-shape C-T optical design

Keywords: Raman spectrometer, Portable spectrometer, optic spectrometer

Technical Characteristics

Wide Spectral Range

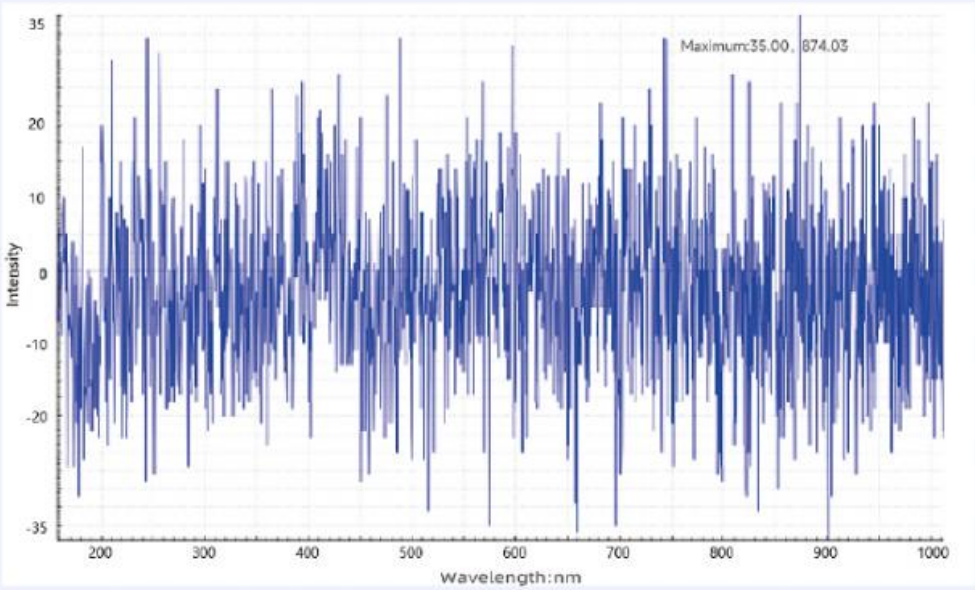
Supports customized spectrum range of 200-1000nm



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

High Signal-to-Noise Ratio

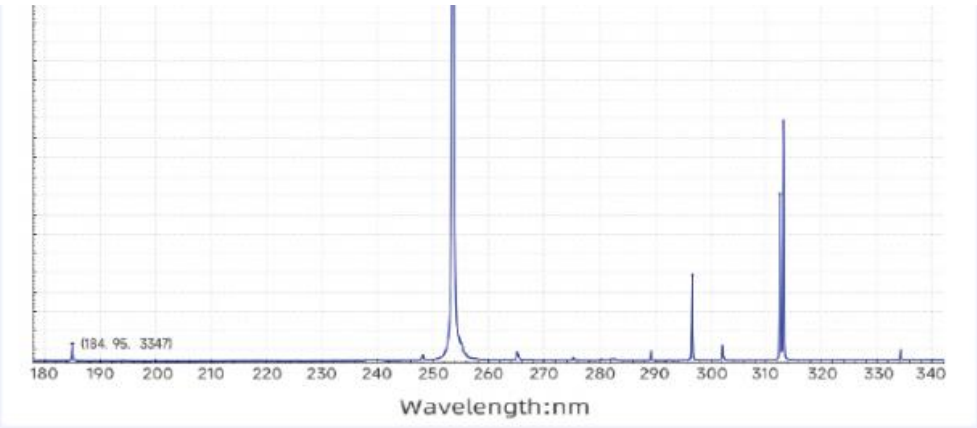
Low-noise CMOS signal processing circuit, with excellent signal-to-noise ratio



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

High Resolution

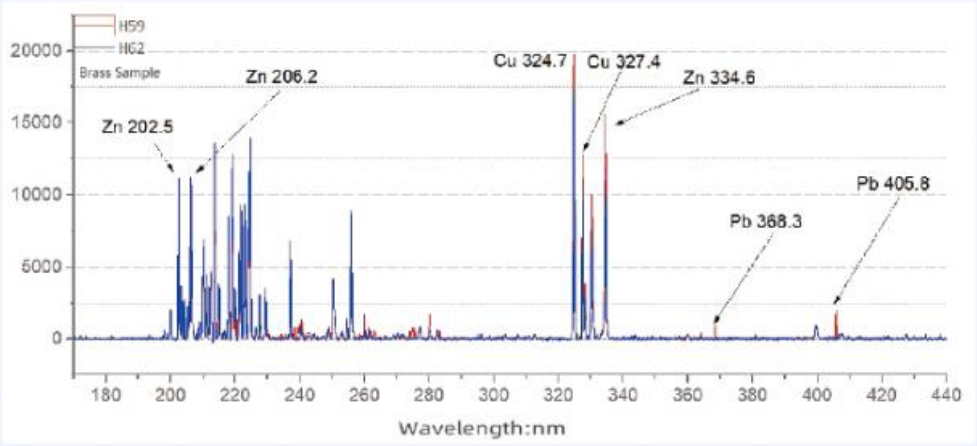
M-shape C-T optical design



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:

Technical Parameter	Value
Product Name	Universal Compact Fiber Spectrometer
Low Temperature Drift	Integrated Temperature Sensor and Temperature Drift Compensation Algorithm
Entrance Slit Width	10μm, 25μm, 50μm, 100μm, 200μm (customizable)
High Signal-to-Noise Ratio	Low-noise CMOS signal processing circuit, with excellent signal-to-noise ratio
Sensing Area	28.7mm *0.2mm
Dimensions	110mm*95mm*40.5mm
Optical Design	M Type C-T light path
Effective Pixel	2048
Chip Type	Linear array CMOS, Hamamatsu S11639

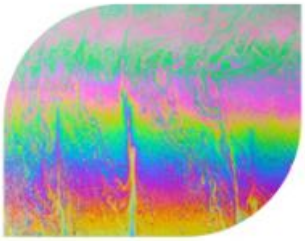
Applications:

The optic spectrometer is an excellent device for laboratory use. Its compact design makes it easy to handle and store when not in use. The device can be easily transported from one location to another, making it a suitable choice for fieldwork.
The dimensions of the device are 110mm*95mm*40.5mm. The device has an integrated temperature sensor and temperature drift compensation algorithm, which ensures low-temperature drift. This feature makes the JINSP SR75C Universal Compact Fiber Spectrometer a reliable device for use in various scenarios.
In summary, the JINSP SR75C Universal Compact Fiber Spectrometer is an excellent device for laboratory and fieldwork. Its compact design, versatility, and reliability make it an ideal choice for professionals who require accurate and reliable data.

Typical Applications

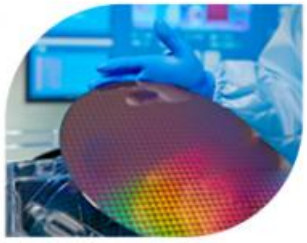
Flue Gas: Monitoring and identification of components in flue gas emissions.

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 spectroscopy instrument that provides accurate measurements of light intensity over a wide range of wavelengths. Our product technical support and services include:

Expert technical support from a team of experienced engineers

Comprehensive product documentation, including detailed user manuals and application notes

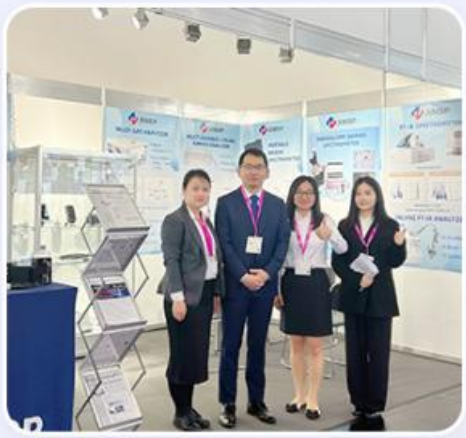
Calibration and repair services to ensure optimal performance of your instrument

Customization options to meet your specific needs

Training and education programs to help you get the most out of your instrument

Company Profile

Exhibition



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: What certifications does the compact fiber spectrometer have?
A3: The compact fiber spectrometer has CE certification.
Q4: Where is the compact fiber spectrometer manufactured?
A4: The compact fiber spectrometer is manufactured in China.
Q5: What is the minimum order quantity for the compact fiber spectrometer?
A5: The minimum order quantity for the compact fiber spectrometer is 1. However, the price is negotiable for larger orders.
Q6: What are the payment terms for purchasing the compact fiber spectrometer?
A6: The payment terms for purchasing the compact fiber spectrometer are T/T and Western Union.
Q7: What is the supply ability of the compact fiber spectrometer?
A7: The supply ability of the compact fiber spectrometer is 100 PCS/70-90 days.

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