OEM Miniature Spectrometer High Sensitivity Fiber Spectrometer

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

- Detector Type: Linear Array CMOS, Hamamatsu S11639
- Numerical Aperture: 0.085
- Optical Design: Type M C-T Light Path
- Grating Slits: 10μm, 25μm, 50μm, 100μm, 200μm (customizable)
- Weight: 310g
- Dimension: 110mm*95mm*43mm
- Highlight: **OEM Miniature Spectrometer**, **OEM Fiber Spectrometer**, **High Sensitivity Fiber Spectrometer**

Our Product Introduction

Product Description

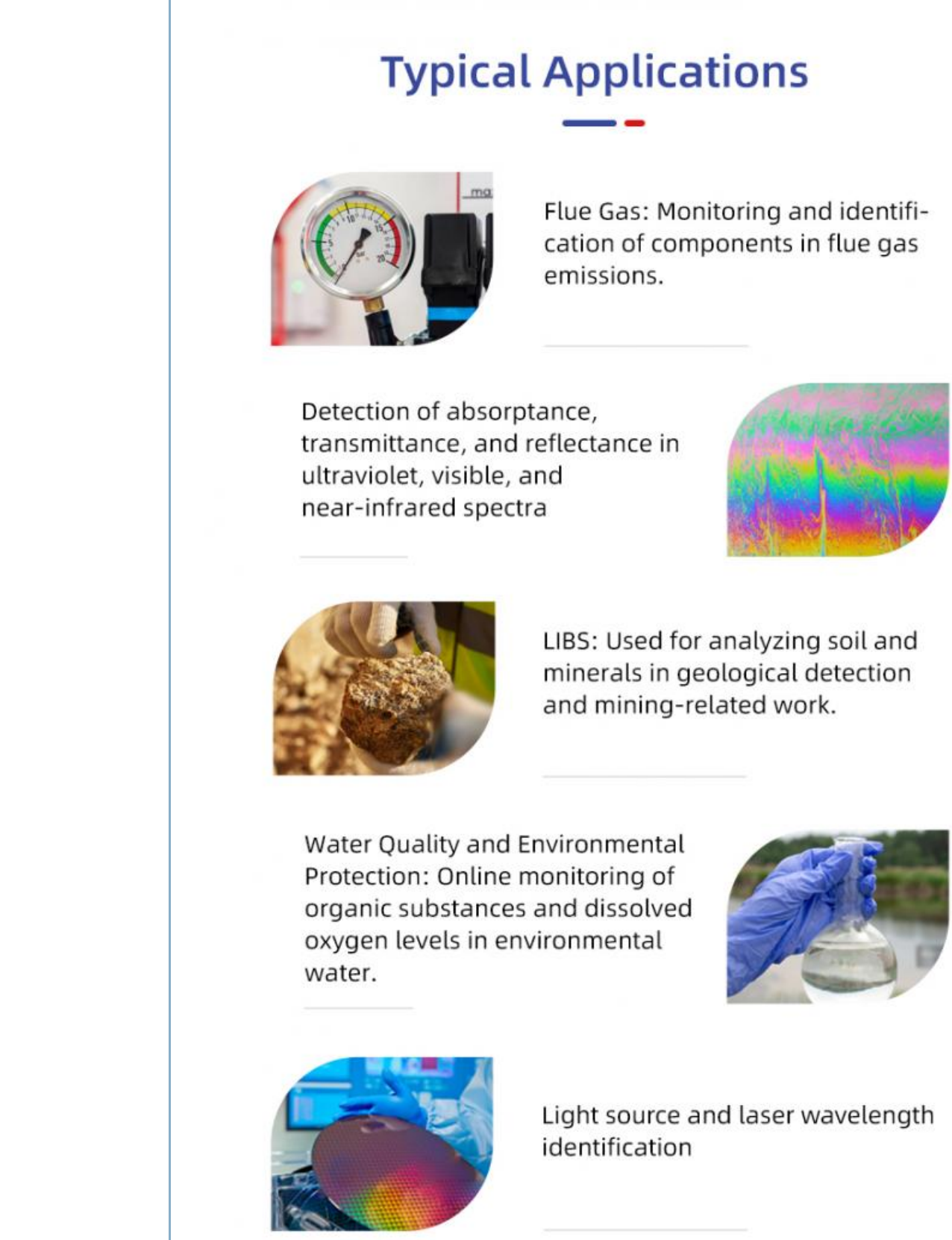
OEM miniature spectrometer high-sensitivity fiber spectrometer optic spectrometer

By employing an f/75 mm reflector and an M-shaped C-T optical design, the optical aberrations of the system are effectively optimized, resulting best optical resolution effect up-to 0.15nm.It can also monitor the ambient temperature in real time and realize the minimum temperature drift within the operational temperature range based on the internal compensation algorithm for temperature drift.

No	Item	Description
1	Chip Type	Linear array CMOS, Hamamatsu S11639
2	Effective Pixel	2048
3	Sensing Area	28.7mm *0.2mm
4	Optical Design	M Type C-T light path
5	Numerical Aperture	0.085
6	Entrance Slit Width	10μm, 25μm, 50μm, 100μm, 200μm (customizable)
7	Dimensions	110mm*95mm*40.5mm
8	Weight	310g

Typical Applications

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



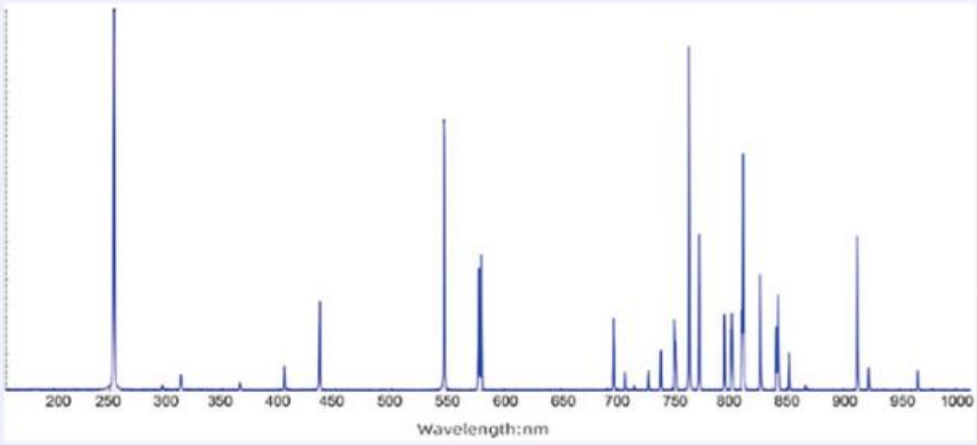
Technical Characteristics

- **Wide Spectral Range Supports customized spectrum range of 200-1000nm**
- **High Signal-to-Noise Ratio Low-noise CMOS signal processing circuit, with excellent signal-to-noise ratio**
- **High Resolution M-shape C-T optical design**

Technical Characteristics

Wide Spectral Range

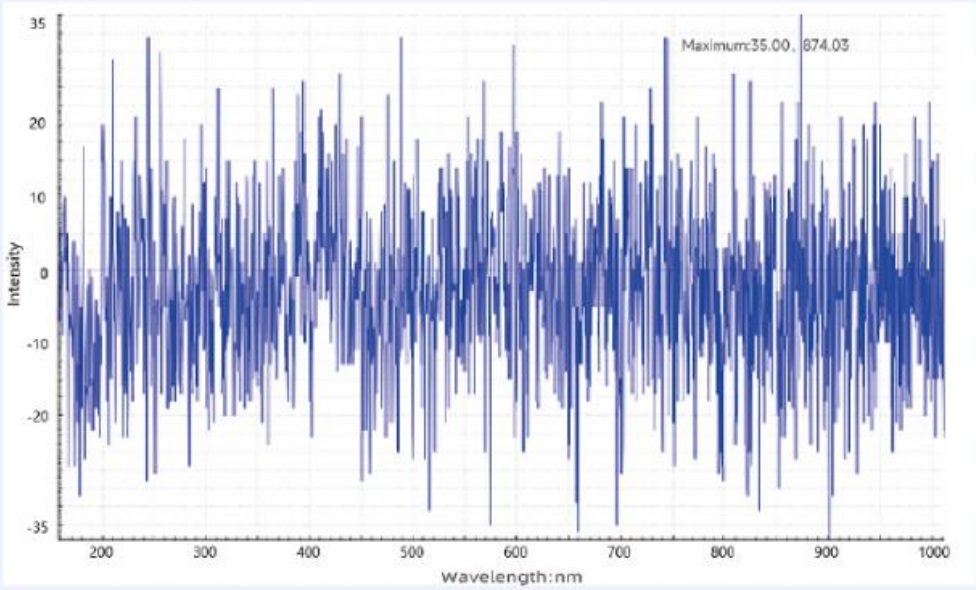
Supports customized spectrum range of 200-1000nm



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

High Signal-to-Noise Ratio

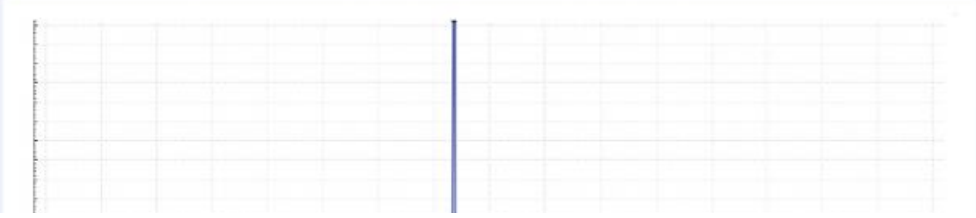
Low-noise CMOS signal processing circuit, with excellent signal-to-noise ratio

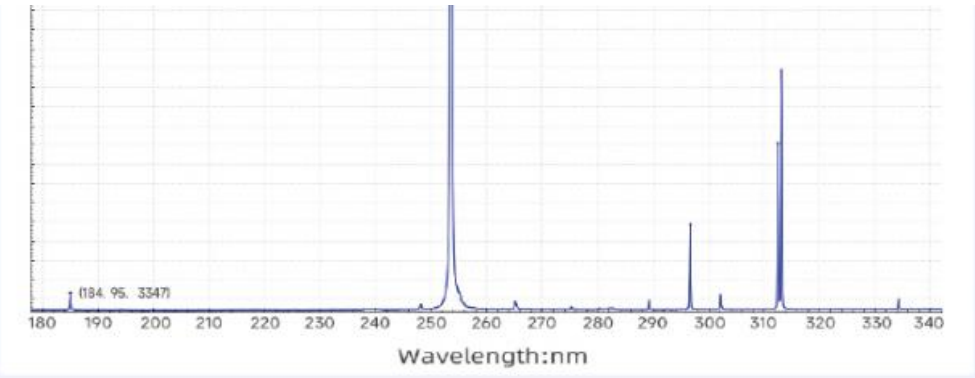


Low Noise: Dark noise standard deviation is approximately 20 for 10ms

High Resolution

M-shape C-T optical design

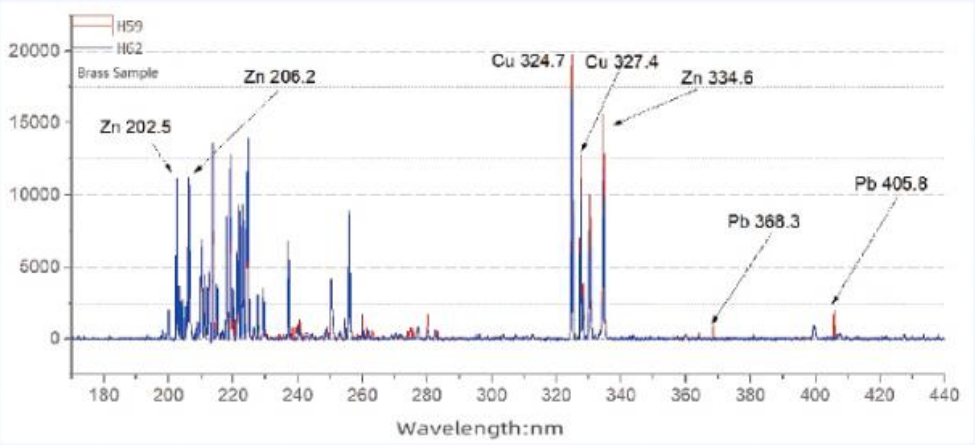




Mercury-Argon Lamp Spectrum (UV 180340nm, Resolution 0.15nm)

Flexible Application

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



LIBS Mineral User Test Results

JINSP Company Limited has won the National Science and Technology Commission's Scientific and Technological Achievement Appraisal Certificate and the China Patent Excellence Award, and related products have been obtained has won authoritative awards such as the Geneva International Invention Award, the Beijing New Technology and New Product Certificate, and the "Innovation Achievement Award" of the Zhu Liangyi Analytical Instrument Innovation Award.GB/T 40219-2021 "General Specification for Raman Spectrometer".

Company Profile



FAQ

Q1: Is the price of this product negotiable?
A1: Yes, the price of this product is negotiable.
Q2: What are the payment terms for this product?
A2: The payment terms for this product are T/T and Western Union.
Q3: What is the supply ability for this product?
A3: The supply ability for this product is 100 PCS/70-90 days.
Q4: How long does it take to deliver this product?
A4: The delivery time for this product is 30-50 working days.
Q5: How is this product packaged?
A5: This product is packaged according to customized packaging.

JINSP Company Ltd.

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