

Fiber Raman Spectrometer Ultra-Miniature Optic Mini Spectrometer with Linear Array CMOS Detector Chip Type

Our Product Introduction

for more products please visit us on spectralanalyser.com

Basic Information

- Place of Origin: CHINA
- Brand Name: JINSP
- Certification: CE
- Model Number: SR50C
- 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: 220g
- Fiber Input Interface: SMA-905, Free Space
- Fiber Type: Single Mode Or Multimode
- Detector Chip Type: Linear Array CMOS, Hamamatsu S11639
- Operating Humidity: 90%RH (no Condensation)
- Pixel Size: 14μm *200μm
- Pintegration Time: 1ms-60s
- Model: SR50C Fiber Spectrometer
- Highlight: Linear Array CMOS Fiber Raman Spectrometer, Ultra-Miniature Fiber Raman Spectrometer, Mini Fiber Raman Spectrometer



More Images



Product Description

SR50C Fiber Optic Spectrometer

Product Description:

With an effective pixel of 2048 and a linear array CMOS chip type, specifically the Hamamatsu S11639, this Fiber Spectrometer can accurately detect and measure the intensity of light across a broad wavelength range. It also features a compact design, measuring only 76mm*65mm*36mm, making it easy to use and carry around.

The Universal Compact Fiber Spectrometer is equipped with a USB 2.0 or Serial Port data output interface, enabling users to easily transfer data to a computer or other devices. This feature ensures that users can analyze and interpret data in real-time, allowing for a more efficient and effective data collection process.



No	Item	Description
1	Name	SR50C Fiber Optic Spectrometer
2	Chip Type	Linear array CMOS, Hamamatsu S11639
3	Effective Pixel	2048
4	Sensing Area	28.7mm *0.2mm
5	Optical Design	M Type C-T light path

6	Numerical Aperture	0.14
7	Entrance Slit Width	10μm, 25μm, 50μm, 100μm, 200μm (customizable)
8	Dimensions	76mm*65mm*36mm
9	Weight	220g

Applications:

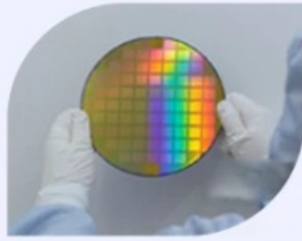
The JINSP SR75C is suitable for a wide range of applications, including but not limited to:

- Research and development laboratories
- Quality control and assurance in manufacturing
- Environmental monitoring
- Food and agriculture industry
- Medical and pharmaceuticals industry

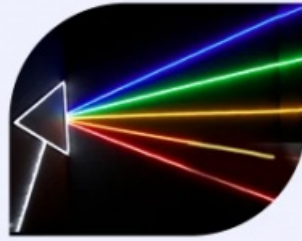
The product has an effective pixel of 2048 and a weight of 220g, making it lightweight and easy to carry around. It operates in a wavelength range of 200nm to 1100nm, with support for customizing. The Fiber Connector used is FC/PC, which is compatible with multiple fiber types.

The JINSP SR75C has an operating humidity of less than 90% RH (no condensation), making it suitable for use in various environmental conditions.

Typical Applications



Supports detection of absorption, transmittance and reflectivity of ultraviolet, visible and near infrared radiations



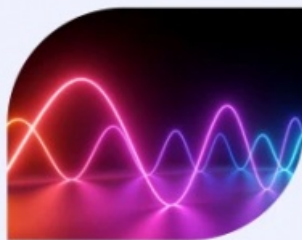
Light source and laser wavelength identification



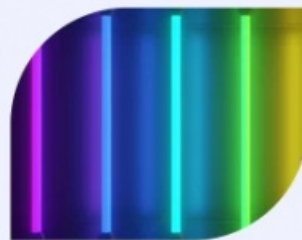
Environmental protection industry (smoke and water quality monitoring)



LIBS



Fluorescence spectrum



Raman spectrum

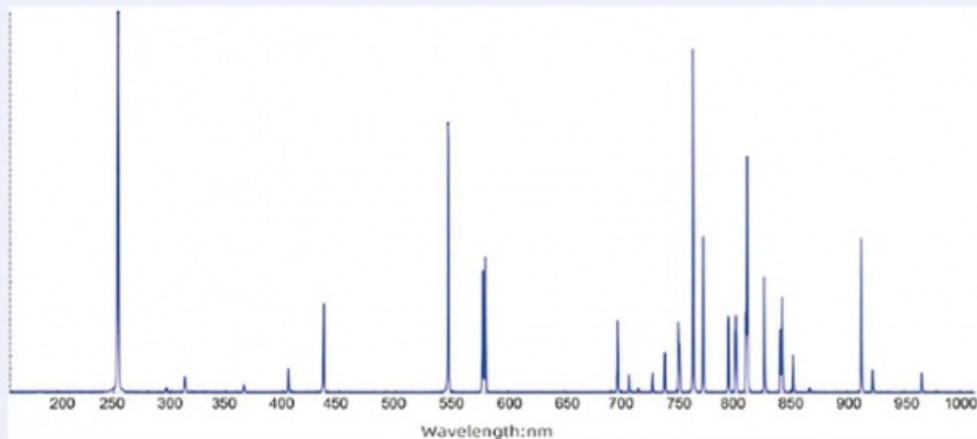
Technical Characteristics

- 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 Luminous Flux Integrated with cylindrical mirror to improve the luminous flux
- Low Temperature Drift Integrated Temperature Sensor and Temperature Drift Compensation Algorithm
- Small Volume, Lightweight and Excellent Performance

Technical Characteristics

Wide Spectral Range

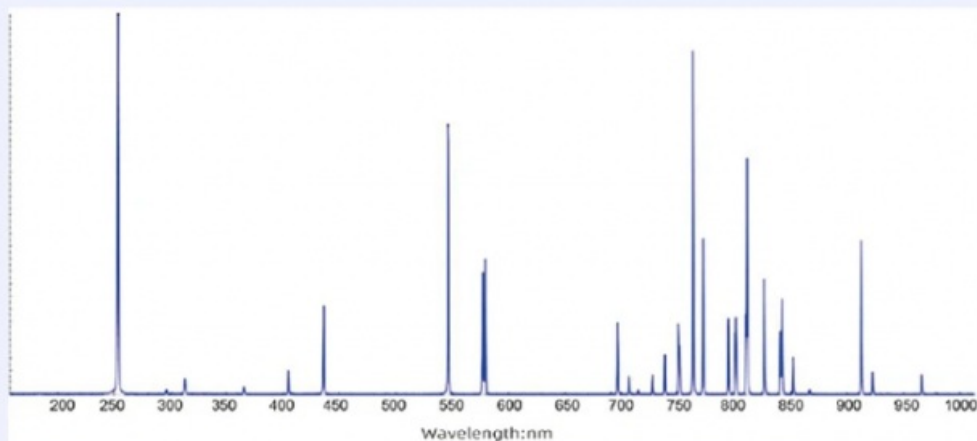
Customized spectral range supporting 200-1100nm



Test results and applications in the range of 200~1000nm—Mercury-Argon Lamp Spectrum

High Signal-to-Noise Ratio

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



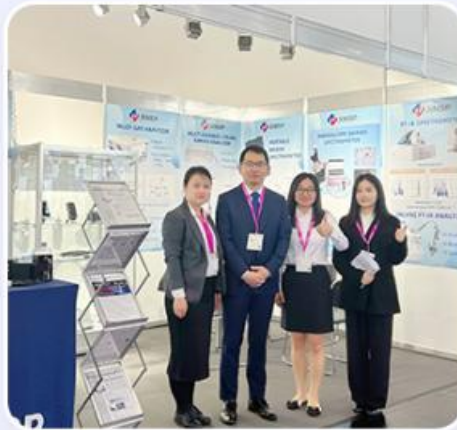
Low Noise: Dark noise standard deviation is approximately 20 for 10ms

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



Exhibition



Certifications



FAQ:

- Q1: What is the brand name of this product?**
A1: The brand name of this product is JINSP.
- Q2: What is the model number of this spectrometer?**
A2: The model number of this spectrometer is SR75C.
- Q3: Does this product have any certification?**
A3: Yes, this product has CE certification.
- Q4: Where is this spectrometer made?**
A4: This spectrometer is made in China.



JINSP Company Ltd.



8618620854039



phoebeyu@jinsptech.com



spectralanalyser.com

21st Floor, Building D, Tsinghua Tongfang Science and Technology Plaza, Haidian District, Beijing China