

Portable Fiber Optic Spectrophotometer SR50C Supports 200-1000nm

Our Product Introduction

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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

- Dimensions: 79mm*68mm*42mm
- High Resolution: M-shape C-T Optical Design
- Wide Spectral Range: Supports Customized Spectrum Range Of 200-1000nm
- Fiber Input: FC/PC Or SMA905
- Power Consumption: 12 VDC, 1.5 A
- Spectral Range: 200~1000 UV-NIR
- Highlight: **fiber optic spectrophotometer SR50C, Portable fiber optic spectrophotometer, optical fiber spectroscopy 1000nm**



More Images



Product Description

Portable Spectrometer SR50C with Integrated Temperature Sensor

JINSP compact and high-performing JINSP SR50C Miniature Fiber Optic Spectrometer is perfect for achieving reflection, transmission, and absorption spectra in the 200–1100nm range. It enables high-resolution spectral detection in the UV, Visible, and near-Infrared spectrum by varying the grating line density, which can be further improved with interchangeable grating slits.

The spectrometer features an internal integrated temperature sensor capable of real-time monitoring of ambient temperature. Combined with an internal temperature drift compensation algorithm, it can achieve the minimum temperature drift within the working temperature range.

Miniature Fiber Optic Spectrometer

Compact High Throughput Low Noise

SR50C

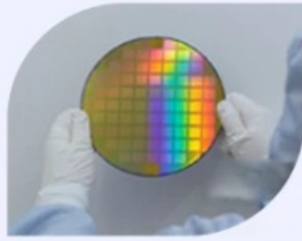


No	Item	Description
1	Name	SR50C Fiber Optic Spectrometer
2	Chip Type	Linear array CMOS, Hamamatsu S11639
3	Effective Pixel	2048
4	Sensing Area	28.7mm *0.2mm
5	Optical Design	M Type C-T light path
6	Numerical Aperture	0.14
7	Entrance Slit Width	10μm, 25μm, 50μm, 100μm, 200μm (customizable)
8	Dimensions	79mm*68mm*42mm
9	Weight	220g

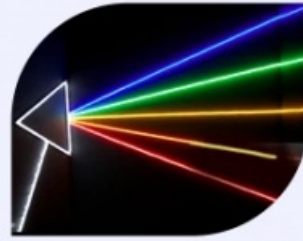
Typical Applications

- Supports detection of absorption,transmittance and reflectivity ofultraviolet, visible and near infrared radiations
- Light source and laser wavelength identification
- Environmental protection industry (smoke and water quality monitoring)
- LIBS
- Fluorescence spectrum
- Raman spectrum

Typical Applications



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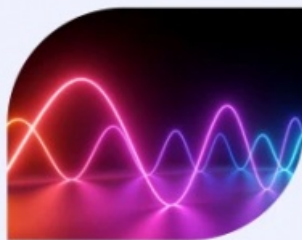
Light source and laser wavelength identification



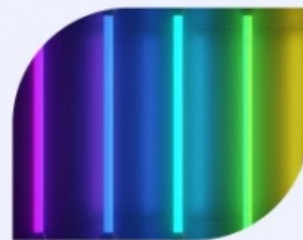
Environmental protection industry (smoke and water quality monitoring)



LIBS



Fluorescence spectrum



Raman spectrum

Technical Characteristics

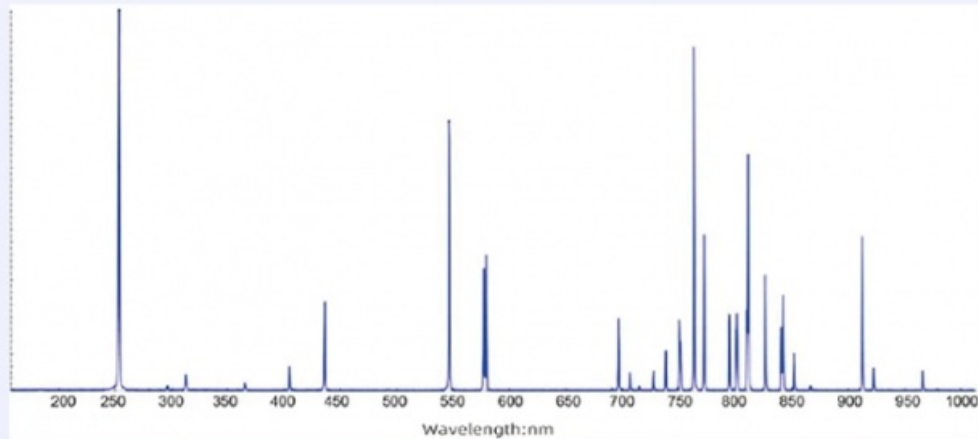
- Wide Spectral Range Supports customized spectrum range of 200-1000nm
- High Signal-to-Noise Ratio Low-noise CMOS signal processing circuit, with excellent signal-to-noise ratio
- High Luminous Flux Integrated with cylindrical mirror to improve the luminous flux
- Low Temperature Drift Integrated Temperature Sensor and Temperature Drift Compensation Algorithm
- Small Volume, Lightweight and Excellent Performance

Technical Characteristics



Wide Spectral Range

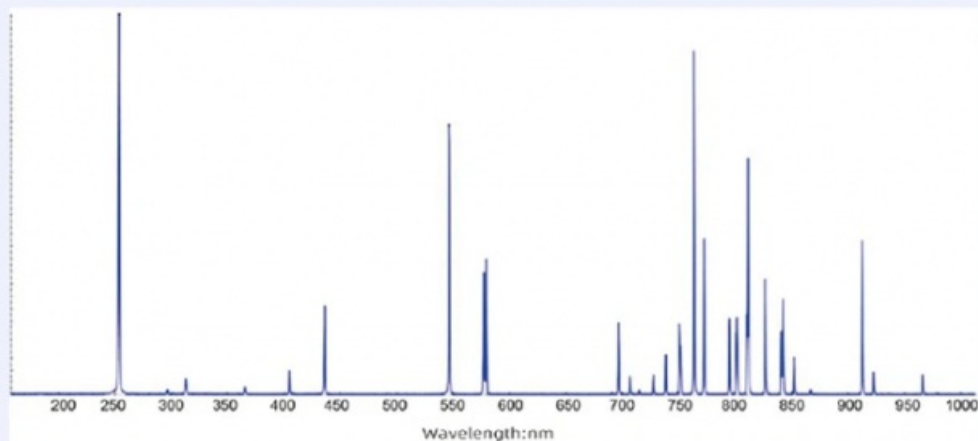
Customized spectral range supporting 200-1100nm



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

High Signal-to-Noise Ratio

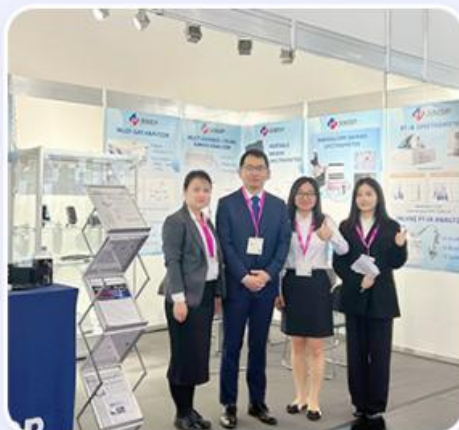
Low-noise CMOS signal processing circuit, with excellent signal-to-noise ratio



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

EXhibitions

Exhibition



FAQ

Q1:How to receive a best price in the shortest time?

A1:When you send us an inquiry,please kindly offer details with wavelength,detector,effective pixels,focal length and so on.We will send you quotation with details soon to your email.

Q2:If the spectrometer has problem in my place,how could I do?,

A2:The spectrometer has one year warranty.If it breaks down,our technician will figure out what the problem maybe,according to client's feedback.We can repair for free within one year warranty.

Q3:What about quality assurance?

A3:We have a quality inspection team. All goods will go through quality inspection before shipment. We can send you pictures for inspection.

Q4:Can you offer a operation training?

A4:Your technicians can come to our factory for a training. Jinsp engineers can go to your place for local support (installation , training, debugging, maintenance).

Q5:Can you offer OEM service?

A5:We can produce scales with your logo, brand, packing. MOQ is 200pcs/model.



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