

Accurate CCD Optical Fiber Spectrometer For Spectroscopy Success

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: JINSP
- Certification: CE
- Model Number: SR100Q CCD Fiber Optic Spectrometer
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Customized Packaging
- Delivery Time: 50-70working days
- Payment Terms: T/T, Western Union
- Supply Ability: 50PCS/70-90 days



Product Specification

- Detector: CCD
- Key Features: High Signal-to-noise Ratio
- Humidity: 0~90%RH
- Dynamic Range: 1000:1
- Spectral Range: 200-1100 Nm
- Integration Time: 1 Ms - 10 S
- Operating Temperature: 10-40°C
- Fiber Connector: FC/PC
- Highlight: **Optical Fiber Spectrometer For Spectroscopy ,
Accurate Optical Fiber Spectrometer,
Accurate advanced ccd imaging spectrometer**



More Images



Product Description

Accurate CCD Fiber Spectrometer for Spectroscopy Success

Product Description:

The SR100Q CCD Fiber Optic Spectrometer is designed to be user-friendly and easy to operate, allowing for quick and efficient data collection. Its compact size and lightweight design make it easy to move around and transport to different locations as needed. With a focal length of $\leq 100\text{mm}$, this spectrometer is capable of capturing even the smallest details in your samples. Its high sensitivity CCD detector ensures that you get the most accurate results possible, no matter what type of sample you are working with.

At a low operating current of $<3.5\text{A}$, this spectrometer is not only efficient but also cost-effective, making it an excellent investment for any research lab or scientific institution. Plus, with negotiable pricing and payment terms of T/T and Western Union, you can get the best deal possible for your budget.

Overall, the Research-grade SR100Q CCD Fiber Optic Spectrometer is an excellent choice for anyone looking for a high-quality, reliable, and user-friendly scientific ultra high sensitivity spectrometer. Whether you are working in academia, industry, or healthcare, this spectrometer is sure to meet your needs and exceed your expectations.

Features:

Product Name: CCD Fiber Spectrometer

Weight: 1200g

Humidity: 0~90%RH

High quantum efficiency: 92%peak@650nm, 83%@232nm

Fiber Optic Spectrometer Module

200nm ~ 1100nm Wide Wavelength Range Spectrometer

Technical Parameters:

| | |
|-------------------------|--|
| Product Name | Research-grade SR100Q CCD Fiber Optic Spectrometer |
| Brand Name | JINSP |
| Key Features | High Signal-to-noise Ratio |
| Data output interface | USB3.0, RS232, RS485, 20pin connector |
| High quantum efficiency | 92%peak@650nm, 83%@232nm |
| Price Negotiable | Yes |
| High SNR | Ultra-low dark noise under long integration time, SNR is as high as 1000:1 |
| Humidity | 0~90%RH |
| Operating Current | $<3.5\text{A}$ |

List of Product Models



| Model | Spectral Range (nm) | Resolution (nm) | Slit (μm) |
|------------|----------------------------------|----------------------------|------------------------|
| SR100Q-G21 | 200~950 | 6.9nm | 200 μm |
| SR100Q-G22 | 350~1100 | 2.5nm | 50 μm |
| | | 1.7nm | 25 μm |
| | | 1.6nm | 10 μm |
| SR100Q-G23 | 200~775 | 1.9nm | 50 μm |
| SR100Q-G24 | 350~925 | 1.3nm | 25 μm |
| | | 1.2nm | 10 μm |
| SR100Q-G25 | 532~696(4400 cm^{-1}) | 0.4nm/13 cm^{-1} | 25 μm |
| SR100Q-G26 | 644~800(3200 cm^{-1}) | 0.4nm/9 cm^{-1} | 25 μm |
| SR100Q-G27 | 785~1030(3200 cm^{-1}) | 0.6nm/9.1 cm^{-1} | 25 μm |
| | | 0.71nm/11 cm^{-1} | 50 μm |

Note: The resolution value is a theoretical value, and a 20% deviation is allowed in practice.

Applications:

One of the product application occasions for the SR100Q is in the field of biology. It can be used for various biological research applications such as fluorescence spectroscopy, DNA analysis, and protein analysis. The SR100Q's high sensitivity makes it perfect for detecting low-concentration samples, while its wide wavelength range enables it to detect various biomolecules with different absorption spectra.

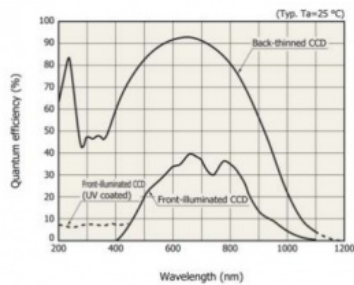
Another product application occasion for the SR100Q is in the field of environmental science. It can be used for measuring the concentration of various environmental pollutants such as heavy metals, pesticides, and volatile organic compounds. The spectrometer's wide wavelength range enables it to detect various absorption spectra of different pollutants, while its high sensitivity makes it perfect for detecting low-concentration samples.

The SR100Q CCD Fiber Optic Spectrometer is also suitable for use in the field of chemistry. It can be used for various chemical analysis applications such as determining the concentration of various chemical compounds in a sample. The spectrometer's high sensitivity and wide wavelength range make it perfect for detecting low-concentration samples and different absorption spectra of various chemical compounds.

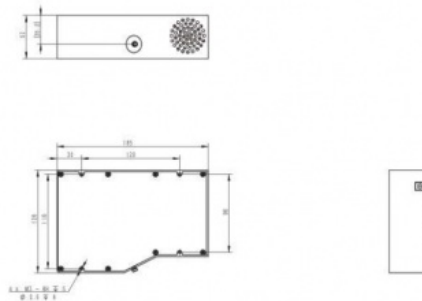
The SR100Q CCD Fiber Optic Spectrometer is a CE-certified product that is manufactured in China. The minimum order quantity is 1, and the price is negotiable. Payment terms include T/T and Western Union. The supply ability is 50pcs/70-90 days, and the delivery time is 50-70 working days. The packaging details are customized to suit the needs of the customer.

Typical Applications

- ◆ Detect absorption, transmittance and reflection Spectrum
- ◆ Light source and laser wavelength characterization
- ◆ OEM product module: Fluorescence spectrum, Raman spectrum, etc.



CCD Quantum Efficiency Curve



Installation dimension drawing

Support and Services:

Our CCD Fiber Spectrometer product comes with comprehensive technical support and services to ensure our customers have a positive experience with our product. Our technical support team is available to assist with any questions or issues related to the operation and maintenance of the spectrometer. We also offer calibration and repair services to ensure accurate and reliable measurements. In addition, we provide software updates and training resources to help our customers maximize the capabilities of the spectrometer. Our goal is to provide excellent customer service and support throughout the lifetime of our product.

Company Profile



Packing and Shipping:

Product Packaging:

CCD Fiber Spectrometer

Universal power adapter

USB cable

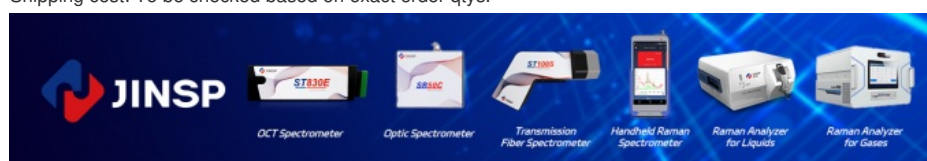
User manual

Shipping:

Shipping method: International air shipping

Estimated delivery time: 30-40 business days

Shipping cost: To be checked based on exact order qty's.



FAQ:

Q1: What is the brand name of this spectrometer?

A1: The brand name is JINSP.

Q2: What is the model number of this product?

A2: The model number is SR100Q.

Q3: What certifications does this product have?

A3: This product has CE certification.

Q4: What is the minimum order quantity for this product?

A4: The minimum order quantity is 1.

Q5: What are the payment terms for purchasing this product?

A5: The payment terms are T/T and Western Union. The price is negotiable and the delivery time is 50-70 working days. The packaging details can be customized according to the customer's needs. The supply ability is 50PCS/70-90 days.



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