High Sensitivity CCD Based Spectrometer With Operating Current 3.5A

Our Product Introduction

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

- Entrance Slit Width: 10μm 25μm 50μm 100μm 200μm
- Data Output Interface: USB3.0, RS232, RS485, 20pin Connector
- Dimensions: 180 Mm× 120 Mm× 50 Mm
- Key Features: High Signal-to-noise Ratio
- Highlight: **High Sensitivity CCD Based Spectrometer**, **High Sensitivity ccd array spectrometer**, **CCD Based Spectrometer 3.5A**

More Images

Product Description

Produced High Sensitivity CCD Spectrometer with Operating Current 3.5A

Product Description:

This Spectrometer comes with a range of Entrance Slit Width options that allow users to fine-tune their measurements for optimal performance. The available options include 10μm, 25μm, 50μm, 100μm, and 200μm, providing users with flexibility and versatility in their measurements.

In addition to its high sensitivity and precise measurements, the Research-grade SR100Q CCD Fiber Optic Spectrometer also offers excellent quantum efficiency, with a peak efficiency of 92% at 650nm and 83% at 232nm. This makes it an ideal tool for applications that require high levels of accuracy and precision.

The data output interface of this Spectrometer includes USB3.0, RS232, RS485, and a 20-pin connector, providing users with multiple options for data transfer and analysis. This feature makes it easy for researchers and scientists to integrate the Spectrometer into their existing equipment and analytical systems.

Overall, the Research-grade SR100Q CCD Fiber Optic Spectrometer is a powerful and versatile tool that provides high levels of sensitivity, accuracy, and precision for a wide range of scientific applications. With its High Sensitivity CCD Spectrometer, users can be confident in the reliability and accuracy of their measurements, making it an essential tool for any research or scientific project.

Features:

Product Name: CCD Fiber Spectrometer
Data output interface:
USB3.0
20pin connector
Modular Fiber Optic Spectrometer
Scientific Ultra High Sensitivity Spectrometer
Modular Fiber Optic Spectrometer

Technical Parameters:

Product Name:	Research-grade SR100Q CCD Fiber Optic Spectrometer
Product Category:	Fiber Optic Spectrometers
Model Number:	SR100Q CCD Fiber Optic Spectrometer
Focal Length:	≤100mm
Weight:	1200g
Data output interface:	USB3.0, RS232, RS485, 20pin connector
200nm ~ 1100nm Wide Wavelength Range Spectrometer:	High Sensitivity CCD Spectrometer
High SNR:	Ultra-low dark noise under long integration time, SNR is as high as 1000:1

List of Product Models

| S | R | 100 | Q | - | GXX | - | 25 |

→ Classification of Different Spectral Ranges
→ Slit Width (μm)

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

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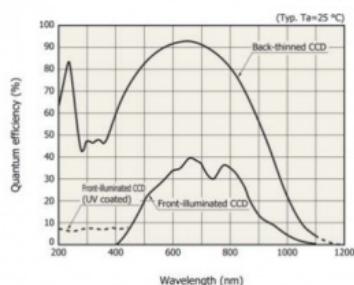
Applications:

The SR100Q model offers multiple entrance slit width options ranging from 10μm to 200μm, allowing for versatility in sample analysis. Additionally, the focal length of the spectrometer is ≤100mm, ensuring accurate and precise results.
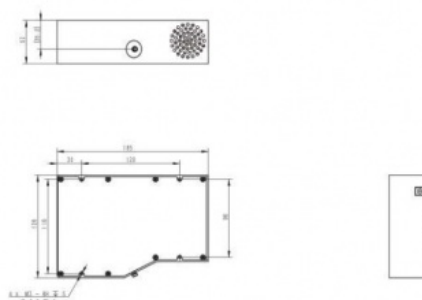
This high-sensitivity CCD spectrometer is perfect for a variety of research applications, such as fluorescence spectroscopy, Raman spectroscopy, and laser-induced breakdown spectroscopy. It can also be used for spectral analysis in fields such as environmental monitoring, food and beverage analysis, and medical research.

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:

The CCD Fiber Spectrometer product comes with comprehensive technical support and services to ensure optimal performance and customer satisfaction. Our team of experienced technicians is available to provide assistance with installation, configuration, and troubleshooting of your spectrometer. We also offer training and consulting services to help you get the most out of your product.

In addition, we provide regular software updates and maintenance services to ensure that your spectrometer is always up-to-date and functioning at its best. Our support team is available to answer any questions or concerns you may have, and we strive to provide fast and effective solutions to any issues you encounter.

With our commitment to customer service and technical expertise, you can trust that you are getting the best possible support for your CCD Fiber Spectrometer product.

Company Profile

Packing and Shipping:

Product Packaging:

CCD Fiber Spectrometer unit

USB cable for connection to computer

AC power adapter

Instruction manual

Software USB

FAQ:

Q: What is the brand name of this product?
A: The brand name of this product is JINSP.

Q: What is the model number of this product?
A: The model number of this product is SR100Q.

Q: What certifications does this product have?
A: This product has the CE certification.

Q: Where is this product made?
A: This product is made in China.

Q: What is the minimum order quantity for this product?
A: The minimum order quantity for this product is 1.

Q: Is the price negotiable?
A: Yes, the price for this product is negotiable.

Q: What are the payment terms for this product?
A: The payment terms for this product are T/T and Western Union.

Q: What is the supply ability of this product?
A: The supply ability of this product is 50PCS/70-90 days.

Q: What is the delivery time for this product?
A: The delivery time for this product is 50-70 working days.

Q: What are the packaging details for this product?
A: The packaging details for this product are customized packaging.