

Ultra-Low Dark Noise CCD Fiber Spectrometer With High SNR Multipurpose

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: JINSP
- Certification: CE
- Model Number: SR100Q
- 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

- Humidity: 0~90%RH
- Applications: Absorption, Transmittance And Reflectance Detection, Light Source And Laser Wavelength Detection, OEM Product Module: Fluorescence Spectrum Analysis, Raman Spectroscopy - Petrochemical Monitoring, Food Additive Testing
- High SNR: Ultra-low Dark Noise Under Long Integration Time, SNR Is As High As 1000:1
- Highlight: **Fiber Spectrometer High SNR, ccd array spectrometer High SNR, Multipurpose Fiber Spectrometer**



More Images



Product Description

Ultra-low Dark Noise CCD Fiber Spectrometer with High SNR and Hamamatsu S7031 Chip Type

Product Description:

The High Sensitivity CCD Spectrometer is the perfect solution for scientific applications that require ultra high sensitivity detection. This Fiber Optic Spectrometer Module features an Area Array Back-illuminated Refrigeration Hamamatsu S7031 chip type, which enables high quantum efficiency of 92% peak at 650nm and 83% at 232nm.

The dimensions of the High Sensitivity CCD Spectrometer are 180mm x 120mm x 50mm, making it a compact and versatile solution for a variety of scientific applications. Additionally, this product boasts a high signal-to-noise ratio, which means that even low-level signals can be accurately detected and measured with ease.

Whether you are conducting research in the field of chemistry, physics, or biology, the High Sensitivity CCD Spectrometer is an essential tool for your laboratory. This Scientific Ultra High Sensitivity Spectrometer provides accurate and reliable data, making it the ideal choice for a wide range of applications.



Features:

Product Name: CCD Fiber Spectrometer
Key Features: High Signal-to-noise Ratio
Model Number: SR100Q CCD Fiber Optic Spectrometer
Chip Type: Area Array Back-illuminated Refrigeration, Hamamatsu S7031
Data output interface: USB3.0, RS232, RS485, 20pin connector
200nm ~ 1100nm Wide Wavelength Range Spectrometer
Scientific Ultra High Sensitivity Spectrometer

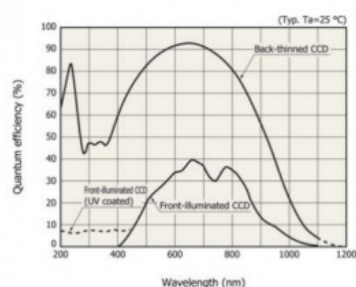
Technical Parameters:

Brand Name	JINSP
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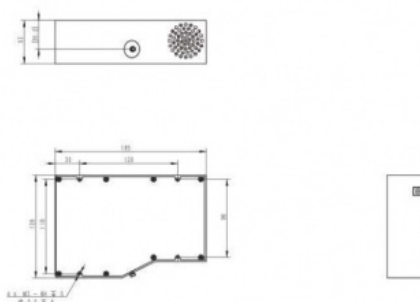
Data output interface	USB3.0, RS232, RS485, 20pin connector
High SNR	Ultra-low dark noise under long integration time, SNR is as high as 1000:1
Operating Current	<3.5A
Model Number	SR100Q CCD Fiber Optic Spectrometer
Humidity	0~90%RH
Entrance Slit Width	10μm ,25μm ,50μm ,100μm ,200μm
Focal Length	≤100mm
High quantum efficiency	92%peak@650nm, 83%@232nm

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

Applications:

The SR100Q is CE certified and originates from China. The minimum order quantity for this product is 1, and the price is negotiable. Payment terms include T/T and Western Union, and the supply ability is 50PCS/70-90 days. The delivery time for this product is 50-70 working days, and packaging details are customized to meet individual needs.

With an operating current of less than 3.5A, the SR100Q has dimensions of 180 mm × 120 mm × 50 mm. This product is perfect for scientific research applications that require ultra-high sensitivity and a wide wavelength range. Some examples of product application occasions and scenarios include:

Research in biological and chemical sciences, including DNA and protein analysis, molecular spectroscopy, and fluorescence analysis

Materials science research, including the analysis of thin films, coatings, and surface characterization

Astronomy research, including the analysis of stellar spectra and the study of cosmic radiation

Environmental research, including the analysis of air and water quality, and the monitoring of greenhouse gases

Overall, the JINSP SR100Q is a reliable and high-quality research-grade CCD fiber optic spectrometer that is perfect for a wide range of scientific research applications. With its wide wavelength range and ultra-high sensitivity, this product is ideal for researchers who require precise and accurate data analysis.

List of Product Models

S	R	100	Q	-	GXX	-	25
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Classification of Different Spectral Ranges
Slit Width (μm)

Model	Spectral Range (nm)	Resolution (nm)	Slit (μm)
SR100Q-G21	200~950	6.9nm	200μm
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.

Support and Services:

Our CCD Fiber Spectrometer product comes with comprehensive technical support and services to ensure that you get the most out of your device. Our team of experts is available to provide assistance with installation, operation, and troubleshooting. We also offer calibration and maintenance services to keep your device running smoothly and accurately. Additionally, we provide training sessions to help you learn how to use your spectrometer to its fullest potential. Contact us for more information about our technical support and

services.

Company Profile



Packing and Shipping:

Product Packaging:

CCD Fiber Spectrometer

USB cable

User manual

FAQ:

Q: What is the brand name of this spectrometer?

A: The brand name of this spectrometer is JINSP.

Q: What is the model number of this spectrometer?

A: The model number of this spectrometer is SR100Q.

Q: Is this spectrometer certified?

A: Yes, this spectrometer is CE certified.

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

A: The minimum order quantity for this product is 1.

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.

Q: Is the price of this product negotiable?

A: Yes, the price of this product is negotiable.



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