

CCD Optical Fiber Spectrometer Advanced Technology For Spectral Analysis

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: 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

- 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
- Focal Length: $\leq 100\text{mm}$
- Entrance Slit Width: $10\mu\text{m}$ $25\mu\text{m}$ $50\mu\text{m}$ $100\mu\text{m}$ $200\mu\text{m}$
- Spectrometer Type: SR100Q CCD Fiber Optic Spectrometer
- Data Output Interface: USB3.0, RS232, RS485, 20pin Connector
- SNR: Ultra-low Dark Noise Under Long Integration Time, SNR Is As High As 1000:1
- Highlight: **CCD optical fiber spectrometer,**
Spectral Analysis optical fiber spectrometer,
Spectral Analysis ccd array spectrometer

Product Description

CCD Fiber Spectrometer Advanced Technology for Spectral Analysis

Product Description:

The SR100Q CCD Fiber Optic Spectrometer is equipped with Fiber Optic Consumables and Fiber Optic Parts, which are carefully crafted to ensure that the product is of the highest quality. Its high signal-to-noise ratio is one of its key features, making it an excellent choice for those who require accurate and precise measurements. The Ultra-low dark noise under long integration time ensures that the SNR is as high as 1000:1, making it an ideal choice for researchers and professionals who require high accuracy in their measurements.



Features:

Product Name: CCD Fiber Spectrometer

Entrance Slit Width: 10 μ m, 25 μ m, 50 μ m, 100 μ m, 200 μ m

Data Output Interface: USB3.0, RS232, RS485, 20pin connector

Quantum Efficiency: 92%peak@650nm, 83%@232nm

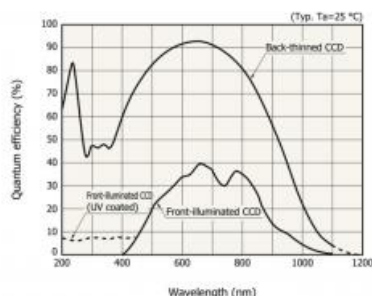
Key Features: High Signal-to-noise Ratio

Weight: 1200g

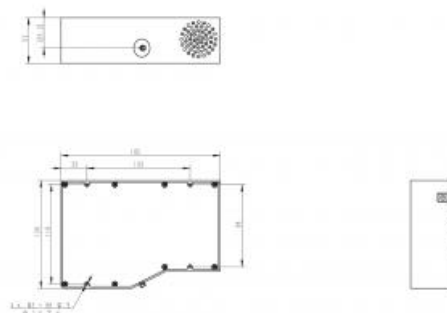
The CCD Fiber Spectrometer is a powerful CCD Optic Test Equipment that comes with a range of entrance slit widths including 10 μ m, 25 μ m, 50 μ m, 100 μ m, and 200 μ m. The device has a high Quantum Efficiency of 92% peak at 650nm and 83% at 232nm. It offers multiple data output interfaces including USB3.0, RS232, RS485, and 20pin connector. Additionally, the device is lightweight, weighing only 1200g. The device is equipped with a Fiber Optic Adapter and features High Signal-to-noise Ratio, making it an ideal choice for a range of applications.

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

Technical Parameters:

Product Attribute	Value
Key Features	High Signal-to-noise Ratio
Weight	1200g
Brand Name	JINSP
Entrance Slit Width	10μm, 25μm, 50μm, 100μm, 200μm
Quantum Efficiency	92%peak@650nm, 83%@232nm
Dimensions	180 Mm× 120 Mm× 50 Mm
Humidity	0~90%RH
Operating Current	<3.5A
Focal Length	≤100mm

Product Type: Fiber Optic Consumables

Product Name: Fiber Optic spectrometer

Product Model: CCD Fiber Spectrometer Equipment

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	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
		0.6nm/9.1cm ⁻¹	25μm
SR100Q-G27	785~1030(3200cm ⁻¹)	0.71nm/11cm ⁻¹	50μm

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

Applications:

The JINSP SR100Q CCD Fiber Spectrometer is a high-performance optical test instrument that is suitable for a wide range of

applications. This product is designed to provide accurate and reliable measurements of light intensity and spectral characteristics, making it ideal for use in research, development, and quality control applications.

One of the key features of the JINSP SR100Q is its high signal-to-noise ratio, which is achieved through ultra-low dark noise under long integration time. The product has an SNR as high as 1000:1, which makes it ideal for use in low-light applications where accuracy and precision are critical.

The JINSP SR100Q comes with a range of entrance slit widths, including 10 μ m, 25 μ m, 50 μ m, 100 μ m, and 200 μ m, which makes it suitable for use in a variety of different scenarios. The product is certified with CE and originates from China.

The minimum order quantity for the JINSP SR100Q is 1, and the price is negotiable. Payment terms include T/T and Western Union, and the supply ability is 50PCS per 70-90 days. Delivery time is 50-70 working days, and packaging details are customizable according to the customer's needs.

Support and Services:

The CCD Fiber Spectrometer product comes with technical support and services, which include:

Installation assistance

Troubleshooting and problem resolution

Software and firmware updates

Calibration and maintenance services

Training and education on the use of the product and its features

Our team of knowledgeable and experienced technicians are available to help you with any issues or questions you may have about the CCD Fiber Spectrometer product.

Company Profile



Packing and Shipping:

Product Packaging:

The CCD Fiber Spectrometer will be carefully packed in a sturdy cardboard box with adequate padding to ensure that it arrives at your doorstep in perfect condition. All necessary cables, accessories, and instructions will be included in the package.

FAQ:

Q1: What is the brand name of this spectrometer?

A1: The brand name of this spectrometer is JINSP.

Q2: What is the model number of this spectrometer?

A2: The model number of this spectrometer is SR100Q.

Q3: What certifications does this spectrometer have?

A3: This spectrometer is CE certified.

Q4: Where is this spectrometer manufactured?

A4: This spectrometer is manufactured in China.

Q5: What are the payment terms and delivery time for this product?

A5: The payment terms for this product are T/T and Western Union. The delivery time is 50-70 working days. The packaging details can be customized according to your needs. The minimum order quantity is 1 and the price is negotiable. The supply ability is 50PCS/70-90 days.



JINSP

JINSP Company Ltd.



8618620854039



phoebeyu@jinsptech.com



spectralanalyser.com

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