

High Accuracy CCD Array Spectrometer Fiber Optic Spectrum Analyzer

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 and Western Union
- Supply Ability: 50PCS/70-90 days



Product Specification

- Spectrometer Type: SR100Q CCD Fiber Optic Spectrometer
- SNR: Ultra-low Dark Noise Under Long Integration Time, SNR Is As High As 1000:1
- Dimensions: 180 Mm× 120 Mm× 50 Mm
- Data Output Interface: USB3.0, RS232, RS485, 20pin Connector
- Key Features: High Signal-to-noise Ratio
- Quantum Efficiency: 92%peak@650nm, 83%@232nm
- Highlight: **High Accuracy CCD Array Spectrometer, High Accuracy Fiber Optic Spectrum Analyzer, CCD Array Spectrometer SR100Q**

Product Description

Factory CCD Fiber Spectrometer analyzer for Spectral Analysis

Product Description:

The SR100Q CCD Fiber Optic Spectrometer is designed to operate in a wide range of humidity conditions, from 0% to 90% RH. This makes it ideal for use in a variety of environments, including industrial settings and research laboratories.

In summary, the SR100Q CCD Fiber Optic Spectrometer is a high-performance instrument that is perfect for a wide range of applications. It is equipped with a high-resolution CCD detector and fiber optic parts, making it accurate and reliable. Its lightweight design and compact size make it easy to use in the field or in the laboratory, and its compatibility with a wide range of fiber optic probes makes it versatile and adaptable. Its ability to operate in a wide range of humidity conditions makes it ideal for use in a variety of environments.



Features:

Product Name: CCD Fiber Spectrometer

Country of Origin: China

Weight: 1200g

Spectrometer Type: SR100Q CCD Fiber Optic Spectrometer

Applications:

Absorption, transmittance and reflectance detection

Light source and laser wavelength detection

OEM product module: Fluorescence spectrum analysis

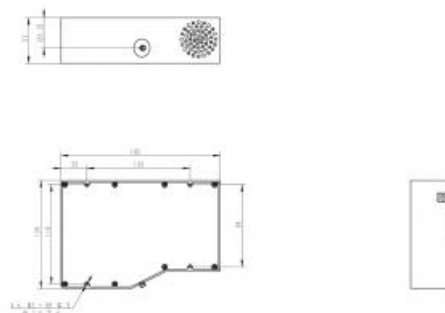
Raman spectroscopy - petrochemical monitoring

Food additive testing

Model Number: SR100Q CCD Fiber Optic Spectrometer

Keywords: Fiber Optic spectrometer, Fiber Optic Instrument, Fiber Laser System

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



Installation dimension drawing

Chip Type	Area Array Back-illuminated Refrigeration, Hamamatsu S7031
SNR	Ultra-low dark noise under long integration time, SNR is as high as 1000:1
Quantum Efficiency	92%peak@650nm, 83%@232nm
Data output interface	USB3.0, RS232, RS485, 20pin connector
Key Features	High Signal-to-noise Ratio
Operating Current	<3.5A
Country of Origin	China
Model Number	SR100Q CCD Fiber Optic Spectrometer
Dimensions	180 Mm× 120 Mm× 50 Mm
Spectrometer Type	SR100Q CCD Fiber Optic Spectrometer

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Classification of Different Spectral Ranges

Slit Width (um)

Model	Spectral Range (nm)	Resolution (nm)	Slit (μm)
SR100Q-G21	200~950	6.9nm	200μm
		2.5nm	50μm
SR100Q-G22	350~1100	1.7nm	25μm
		1.6nm	10μm
SR100Q-G23	200~775	1.9nm	50μm
		1.3nm	25μm
SR100Q-G24	350~925	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

One of the key application occasions for this product is in the scientific research field. Researchers can use the SR100Q to analyze the composition of various materials, such as liquids, solids, and gases. Its ability to detect even trace amounts of substances makes it an ideal tool for chemical analysis, environmental monitoring, and biomedical research.

Another scenario where this spectrometer can be used is in the quality control process of manufacturing industries. The SR100Q can be used to monitor the spectral characteristics of raw materials, intermediate products, and final products. This ensures that the products meet the required specifications, resulting in better quality products and increased customer satisfaction.

Additionally, the SR100Q can be used in the field of fiber optic consumables. Fiber optic spectrometers require high accuracy and

sensitivity, which the SR100Q provides. It can be used to analyze the spectral characteristics of various fiber optic consumables, such as fibers, connectors, and adapters. This makes it an essential tool for manufacturers and suppliers in the fiber optic industry. With its compact size and versatile entrance slit widths (10µm ,25µm ,50µm ,100µm ,200µm), the SR100Q CCD Fiber Spectrometer is suitable for use in various scenarios. Its data output interfaces, including USB3.0, RS232, RS485, and 20pin connector, allow for easy data transfer and analysis.

Support and Services:

Our CCD Fiber Spectrometer product comes with a comprehensive technical support and services package to ensure a smooth and trouble-free experience for our customers. Our team of experienced technicians are available to answer any questions and provide guidance on installation, operation, and maintenance of the product.

We offer training sessions for customers to become proficient in the use of the spectrometer, and we also provide repair and calibration services to ensure accurate and reliable data from the device. Additionally, we offer customization services to meet specific needs of our customers.

Packing and Shipping:

Product Packaging:

CCD Fiber Spectrometer

USB cable

Power adapter

User manual

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: Is this product certified?

A: Yes, this product is certified with CE.

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: What is the pricing for this product?

A: The pricing 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 for this product?

A: The supply ability for 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.



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