High SNR CCD Fiber Spectrometer For Precise Light Source And Laser Wavelength Detection

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: JINSP
- Certification: CE ISO9001
- Model Number: SR100Q
- 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

- Measurement Range: 200-1100 Nm
- Wavelength Accuracy: ±0.3 Nm
- Optical Interface: FC/PC Or SMA905
- Operating Current: <3.5A
- Highlight: **High SNR Fiber Spectrometer**, **High SNR ccd based spectrometer**, **Precise Detection Fiber Spectrometer**

More Images

Product Description

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Key Specifications

Measurement Range	200-1100 nm
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Optical Interface	FC/PC or SMA905
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Product Overview

The SR100Q High Sensitivity CCD Fiber Spectrometer delivers exceptional performance for precise spectral analysis across a wide 200-1100nm wavelength range. With ultra-low dark noise and a remarkable 1000:1 signal-to-noise ratio, this instrument provides researchers with reliable, accurate data for demanding applications.

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
		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

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

Technical Features

Key Features	High Signal-to-noise Ratio (1000:1)
Humidity Range	0~90%RH
Quantum Efficiency	92% peak @650nm, 83%@232nm
Data Interfaces	USB3.0, RS232, RS485, 20pin connector
Weight	1200g
Model Number	SR100Q CCD Fiber Optic Spectrometer

Applications

Scientific Research

Ideal for fluorescence spectrum analysis, Raman spectroscopy, and precise wavelength measurement in biology, chemistry, and physics laboratories.

Industrial Quality Control

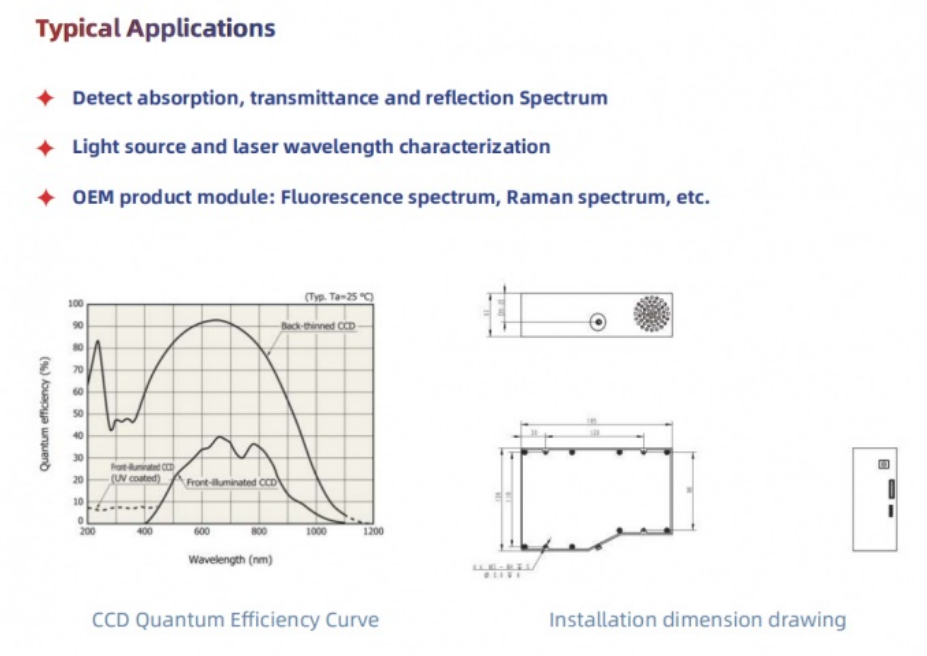
Perfect for petrochemical monitoring, food additive testing, and material composition analysis with high sensitivity detection.

Environmental Analysis

Effective for measuring pollutant concentrations in air, water, and soil samples with exceptional spectral resolution.

Medical Diagnostics

Capable of analyzing blood samples, detecting abnormalities, and studying tissue composition with precise spectral data.



Support & Services

- Professional installation guidance and support
- Precision calibration services
- Comprehensive product training
- Technical troubleshooting
- Repair and replacement services
- Software updates and product upgrades

Ordering Information

Brand: JINSP
Model: SR100Q
Certification: CE certified
Origin: China
Minimum Order: 1 unit
Price: Negotiable
Delivery: 50-70 working days

Frequently Asked Questions

What payment methods do you accept?
We accept T/T and Western Union payments.

What is your production capacity?
We can supply 50 units within 70-90 days.

Can the packaging be customized?
Yes, we offer customized packaging solutions.

JINSP Company Ltd.

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