

1080nm~1330nm Fiber Optic Spectrometer For Spectroscopic Technology Development

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: JINSP
- Certification: CE
- Model Number: ST50S
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Customized Packaging
- Delivery Time: 40-70working days
- Payment Terms: T/T, Western Union
- Supply Ability: 100 PCS/70-90 days



Product Specification

- Fiber Interface: SMA905 Or $\Phi 10\text{mm}$ Multi-core Optical Fiber
- Integration Time: 1ms-3600s
- Wavelength Range: 1080nm~1330nm
- Effective Pixels: 512*1
- Diffraction Efficiency: Approximately 90%
- Optical Resolution: 0.2-2nm
- Applications: Research-grade Raman Spectroscopy Detection System, 1064nm Confocal Raman Microscopy, Integration Of Industrial Raman System, Chemical Industry Online, Biopharmaceuticals
- Product Name: High-Throughput Transmission Imaging Spectrometer Quick And Accurate Measurements

Product Description

Transmission Fiber Spectrometer for Spectroscopic Technology Development

Product Description:

The High-Throughput Transmission Fiber Spectrometer is a state-of-the-art instrument that boasts an optical resolution of 0.2-2nm. It is capable of producing high-quality spectra with a wide range of wavelengths from 1080nm to 1330nm. This makes it perfect for use in a variety of applications, including Raman spectrometer and Transmission Imaging Spectrometer.



Features:

Product Name: High-Throughput Transmission Imaging Spectrometer Quick and Accurate Measurements

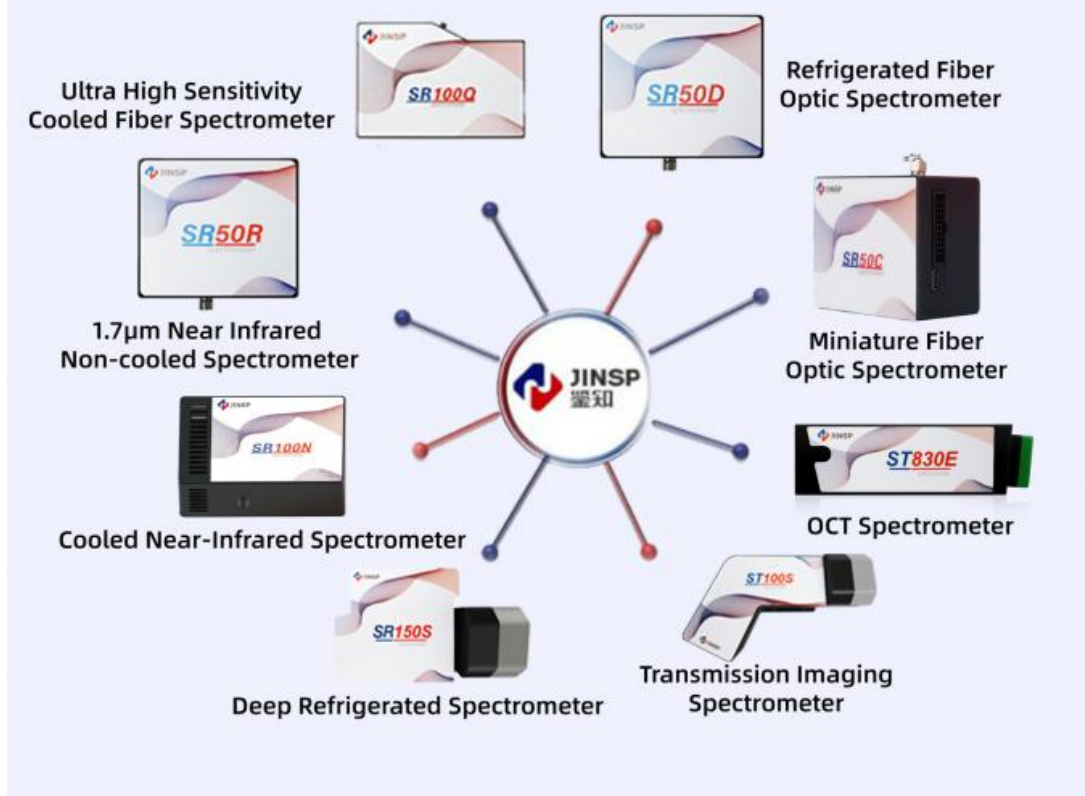
Effective Pixels: 512*1

Fiber Interface: SMA905 or Φ 10mm multi-core optical fiber

Integration Time: 1ms-3600s

Dimensions: 253*152*93(mm)

Spectrometer Series



Technical Parameters:

Wavelength Range	1080nm~1330nm
Dimensions	253*152*93(mm)
Grating Type	VPH volume holographic transmission grating
Applications	Spectrometer, Research-grade Raman spectroscopy detection system, 1064nm Confocal Raman microscopy, Integration of industrial Raman system, Chemical Industry Online, Biopharmaceuticals
Integration Time	1ms-3600s
Fiber Interface	SMA905 or Φ10mm multi-core optical fiber
Diffraction Efficiency	Approximately 90%
Cell Size	25μm*500μm

Product Parameters

	Performance Indicators	Parameters
Detector	-	See model table for detailed parameters
Optical Parameters	Wavelength Range	1080nm~1330nm corresponds to 140~1880cm ⁻¹
	Optical Resolution	0.35nm, corresponds to 8cm ⁻¹ (50μm slit) 0.25nm, corresponds to 6cm ⁻¹ (25μm slit)
	Grating Type	VPH volume holographic transmission grating
	Diffraction Efficiency	>85%
	Fiber Interface	SMA905 or Φ10mm multi-core optical fiber
	Numerical Aperture	0.25
Electrical Parameters	Integration Time	1ms-3600s
	Data Output Interface	USB or serial port
	ADC Bit Depth	16-bit
	Power Supply	DC 5V (±0.5V)
	perating Current	3A
	Operating Temperature	-20°C ~60°C
	Storage Temperature	-30°C ~70°C
Physical Parameters	Operating Humidity	<90%RH (no condensation)
	Dimensions	253mm*152mm*93mm
	Weight	<4kg (including camera)

List of Product Models

S

T

50

S

-

X

Classification of different detectors

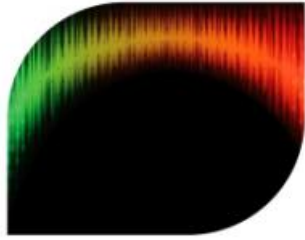
Product Model	ST50S1	ST50S2
Detector Brand or Model	Hamamatsu Secondary deep cooling InGaAs	AndoriDus InGaAs
Number of Pixels	512*1	512*1
Pixel Size	25μm*500μm	25μm*500μm
Cooling Temperature °C	-20	-80

* Customization available for other ranges

Applications:

JINSP ST50S is a high-throughput transmission fiber spectrometer that is suitable for various applications. The JINSP ST50S is a product of JINSP Company Limited, a leading supplier of spectroscopic technology, with 17 years of experience in developing spectroscopic technology. JINSP ST50S is one of the over twenty spectroscopic products offered by JINSP Technology. The JINSP ST50S is suitable for applications in the pharmaceutical and chemical industries, public security, customs, and fiber optic spectrometers. It is a research-grade Raman spectroscopy detection system that can be used in a Raman system. The JINSP ST50S has a VPH volume holographic transmission grating that enhances its performance. The JINSP ST50S has a fiber interface of SMA905 or Φ10mm multi-core optical fiber, which provides flexibility in its usage. The integration time for the JINSP ST50S is between 1ms-3600s, which allows for quick data acquisition and analysis. This product has not been certified, and its place of origin is China.

Typical Applications



Research-grade Raman spectroscopy detection system

1064nm Confocal Raman microscopy



Integration of industrial Raman system

Chemical Industry Online
Biopharmaceuticals

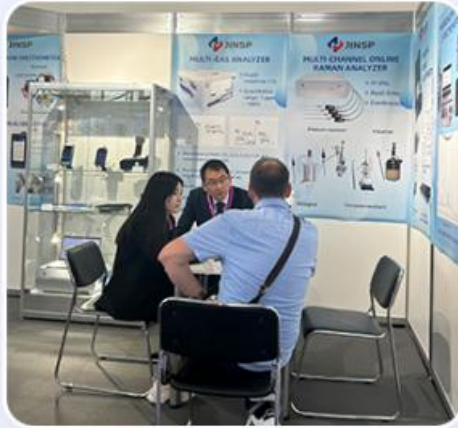
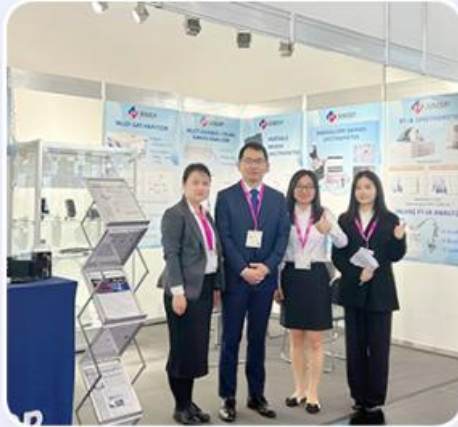
Support and Services:

The High-Throughput Transmission Fiber Spectrometer product is backed by our comprehensive technical support and services. Our team of experienced technicians is available to provide assistance with installation, setup, and troubleshooting. We also offer training and educational resources to ensure that you get the most out of your spectrometer. In addition, we provide regular maintenance and calibration services to ensure the accuracy and reliability of your measurements. Contact us today to learn more about our technical support and services for the High-Throughput Transmission Fiber Spectrometer product.

Company Profile



Exhibition



Packing and Shipping:

Product Packaging:

The High-Throughput Transmission Fiber Spectrometer product will be carefully packaged in a sturdy and protective cardboard box to ensure safe delivery. The product will be wrapped in bubble wrap and secured with foam inserts to prevent any damage during transit.

Package



Packaging Box



ST90S



Internal Packaging

Certifications



FAQ:

Q1: What is the brand name of this product?

A1: The brand name of this product is JINSP.

Q2: What is the model number of this product?

A2: The model number of this product is ST50S.

Q3: What is the minimum order quantity for this product?

A3: The minimum order quantity for this product is 1.

Q4: What are the payment terms for this product?

A4: The payment terms for this product are T/T and Western Union. The price is negotiable.

Q5: Where is this product manufactured?

A5: This product is manufactured in China.

Q6: What is the supply ability of this product?

A6: The supply ability of this product is 100 PCS/70-90 days.

Q7: What is the delivery time for this product?

A7: The delivery time for this product is 40-70 working days.

Q8: What are the packaging details for this product?

A8: The packaging details for this product are customized packaging.



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