

Light Weight Transmission Grating Spectrometer Wavelength Range 785nm-988nm

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: JINSP
- Certification: CE
- Model Number: ST100S
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Customized Packaging
- Delivery Time: 40-70working days
- Payment Terms: T/T, Western Union
- Supply Ability: 80 PCS/70-90 days



Product Specification

- Grating Type: VPH Volume Holographic Transmission Grating
- Weight: <6Kg (including Camera)
- Wavelength Range: 785nm~988nm Corresponds To 0~2600cm⁻¹
- Number Of Channels: 6 Channels (for Multi-core Optical Fiber With Core Diameter Of 200μm)
- Dimensions: 354.9*198.7*123.5mm
- Product Category: ST100S Raman Spectrometers
- Product Name: Transmission Fiber Spectrometer Advanced Spectral Analysis Technology
- Highlight: **transmission grating spectrometer 785nm, Transmission Grating Spectrometer 988nm, 988nm transmission grating spectrograph**

Product Description

Transmission Imaging Spectrometer Wavelength Range 785nm-988nm

Product Description:

JINSP ST100S transmission imaging spectrometer is equipped with an Deep-cooling area array CCD camera of scientific research level, VPH volume phase holographic grating with diffraction efficiency close to 90%. It can achieve excellent sensitivity and SNR, with sensitivity 5~10 times that of reflection spectrometer and resolution twice that of traditional spectrometer.

The High-Throughput Transmission Fiber Spectrometer is an excellent choice for 785nm Confocal Raman microscopy. It can also be used for online Raman detection. Plus, this spectrometer comes with a one-year warranty. In the unlikely event that it breaks down, our technician will figure out what the problem may be according to your feedback, and we can repair it for free within the one-year warranty period.

Transmission Imaging Spectrometer

Ultimate sensitivity High resolution

ST100S



Features:

Product Name: High-Throughput Transmission Fiber Spectrometer

Fiber Connector: FC/PC

Features:

High Compatibility

Zero-aberration

High Diffraction Efficiency

Supports multiple channels

High Flux

Highly stable

Wavelength Range: 785nm~988nm Corresponds To 0~2600cm⁻¹

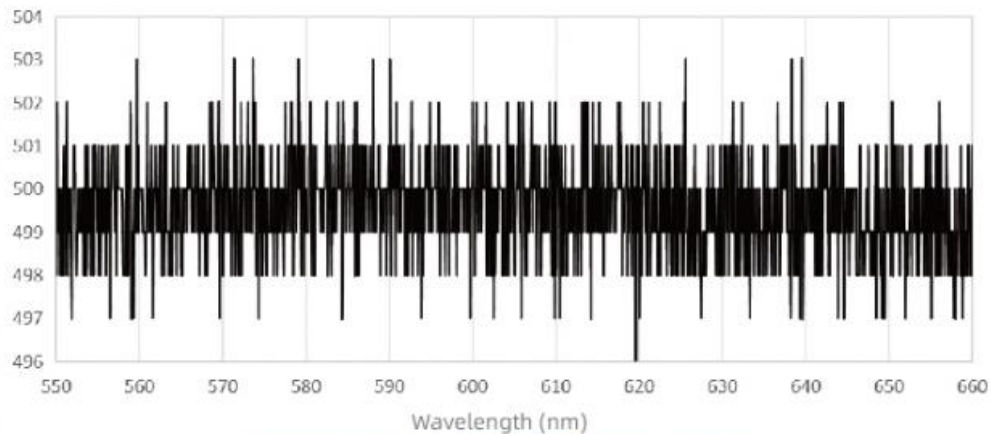
Detector Type: CCD

Company Profile and Certification: JINSP Company Limited originates from Tsinghua University and has 17 years of experience in developing spectroscopic technology. As a leading supplier of spectroscopic technology, JINSP Technology offers over twenty spectroscopic products across various fields, including pharmaceutical and chemical industries, public security, customs, and fiber optic spectrometers. Our products are available nationwide and are exported to over 30 countries, with cumulative sales exceeding 3,000 units.

Technical Characteristics

High Compatibility

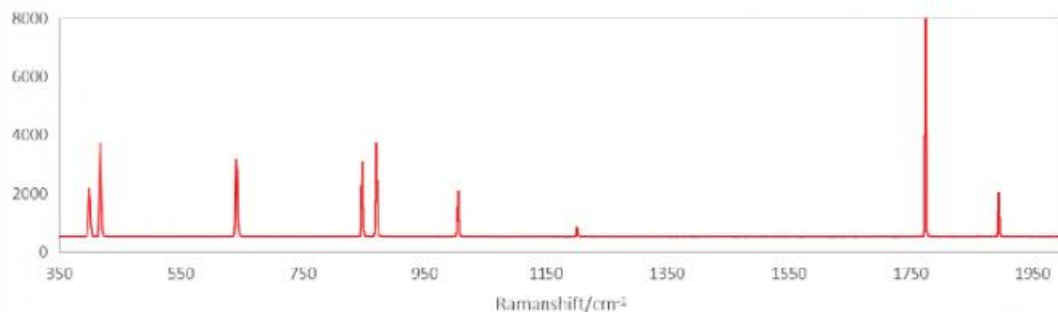
Compatible with multiple scientific research grade cooling cameras such as PI and Andor, with ultra-low dark current and noise



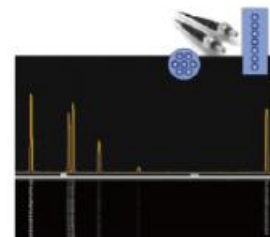
Extremely low dark current noise, noise ~2counts

Zero-aberration

Zero aberration design, diffraction-limited resolution



Slit resolution of 25 μ m can achieve 3cm⁻¹



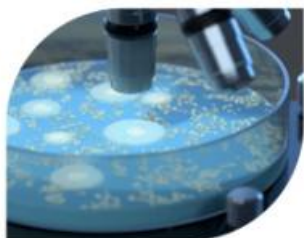
Multi-core optical fiber imaging performance

Technical Parameters:

Grating Type	VPH Volume Holographic Transmission Grating
Dimensions	354.9*198.7*123.5mm

Fiber Connector	FC/PC
Product Name	Transmission Fiber Spectrometer Advanced Spectral Analysis Technology
Number Of Channels	6 Channels (for Multi-core Optical Fiber With Core Diameter Of 200μm)
Diffraction Efficiency	>85%
Applications	Research-grade Raman spectroscopy detection system: 785nm Confocal Raman microscopy, Online Raman detection: Detection of pharmaceuticals, biological fermentation and chemical reaction process
FAQ	<p>Q1:This is the first time I use,is it easy to operate? A1:We will send you manual and guide vedio in English,it can teach you how to operate the spectrometer. Also our technicians will offer professional tecnical opearation meetings.</p> <p>Q2:Can you offer a operation training? A2:Your technicians can come to our factory for a training. Jinsp engineers can go to your place for local support(installation , training, debugging, maintenance).</p> <p>Q3:How to receive a best price in the shortest time? A3:When you send us an inquiry,please kindly offer details with wavelength,detector,effective pixels,focal length and so on.We will send you quotation with details soon to your email.</p> <p>Q4:If the spectrometer has problem in my place,how could I do? A4:The spectrometer has one year warranty.If it breaks down,our technician will figure out what the problem maybe, according to client's feedback.We can repair for free within one year warranty.</p> <p>Q5:Which payment can be acceptable ? A5:We could accept the payment by T/T, Paypal, Western Union,L/C, etc.</p>
Keywords	Deep-cooling Raman Spectrometer, Scientific research Raman Spectrometer

Technical Features



Research-grade Raman spectroscopy detection system

785nm Confocal Raman microscopy



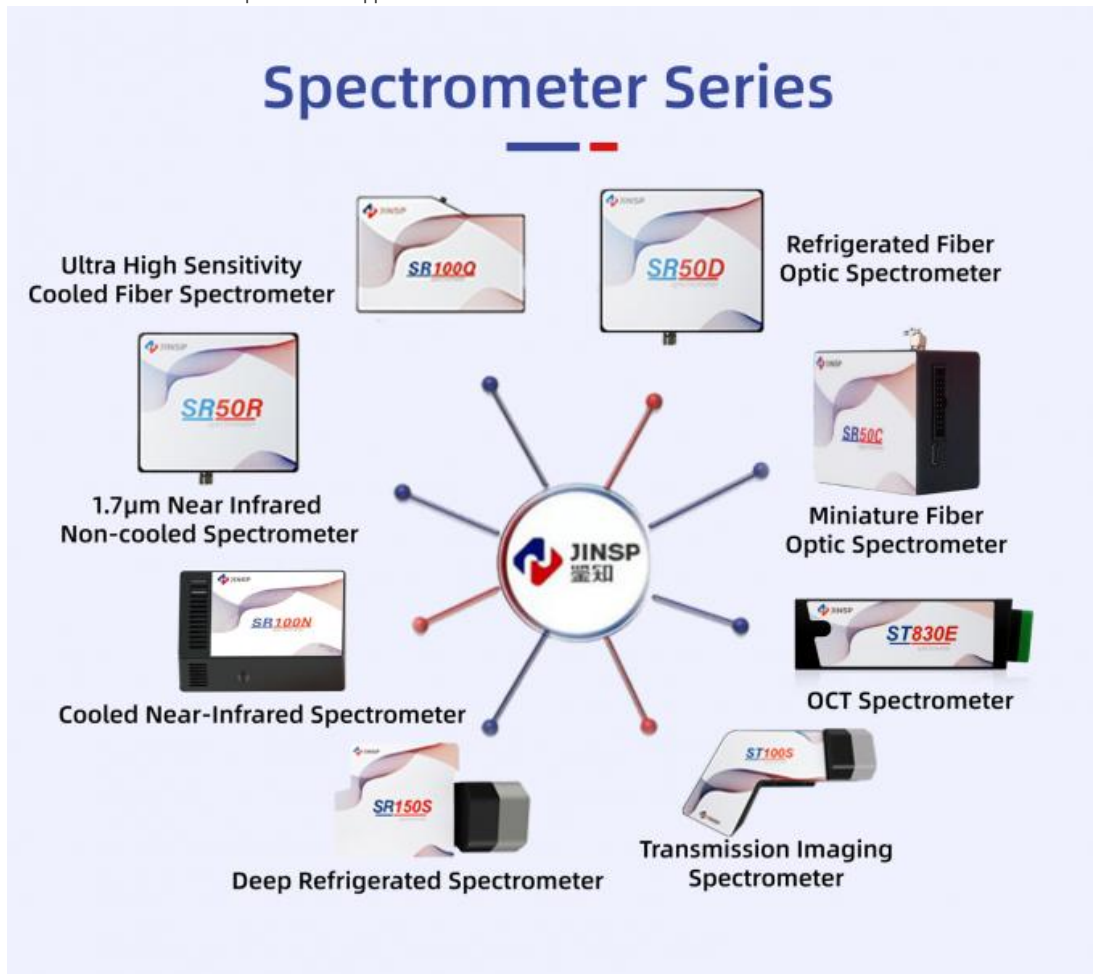
Online Raman detection

Detection of pharmaceuticals, biological fermentation and chemical reaction process

Applications:

The JINSP ST100S Transmission Fiber Spectrometer is perfect for use in multiple scientific research Raman Spectrometer applications. It is easy to operate, and the product comes with a manual and guide video in English to help users learn how to operate the spectrometer. Technicians are also available to offer professional technical operation meetings and operation training for users. The spectrometer has a USB 2.0 interface and can be customized according to the user's specific needs.

The JINSP ST100S Transmission Fiber Spectrometer comes with an FC/PC fiber connector and is perfect for use in various scientific research scenarios. It is highly stable and features advanced spectral analysis technology that makes it perfect for use in multiple scientific research Raman Spectrometer applications.



Support and Services:

The High-Throughput Transmission Fiber Spectrometer product comes with comprehensive technical support and services to ensure optimal performance and customer satisfaction. Our team of experienced technicians and engineers are available to provide assistance in instrument setup, calibration, and troubleshooting. In addition, we offer training services to ensure that users are proficient with the instrument and its software. Our services also include maintenance and repair, as well as upgrades and customization to meet specific customer requirements. We are committed to providing timely and effective solutions to any technical issues that may arise, and strive to ensure that our customers can rely on their instrument for accurate and reliable results.

Company Profile



Packing and Shipping:

Product Packaging:

Our High-Throughput Transmission Fiber Spectrometer comes packaged in a sturdy cardboard box with foam inserts to protect the instrument during shipping. The box also includes a power cable, USB cable, and a user manual.

Package



Packaging Box



ST100S



Internal Packaging



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