

6 Channels Transmission Fiber Spectrometer Advanced Spectral Analysis Technology

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: 100 PCS/70-90 days



Product Specification

- Wavelength Range: 785nm~988nm Corresponds To 0~2600cm⁻¹
- Optical Resolution: 0.35nm, Corresponds To 5cm⁻¹(50μm Slit)
- Grating Type: VPH Volume Holographic Transmission Grating
- Diffraction Efficiency: >85%
- Number Of Channels: 6 Channels (for Multi-core Optical Fiber With Core Diameter Of 200μm)
- Dimensions: 354.9*198.7*123.5mm
- Weight: <6Kg (including Camera)
- Fiber Connector: FC/PC
- Detector Type: CCD
- Interface: USB 2.0
- Highlight: **6 channels Fiber Spectrometer, 6 channels Transmission Spectrometer**



More Images



Product Description

Ultra Hensitivity Modular Spectrometer for Raman Systems

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.

With a resolution of up to 3 cm, the ST100S can be coupled with a scientific research level 785nm laser Raman system to detect the Raman spectrum of materials and biological samples. Furthermore, it is more appropriate for industrial integration due to its compact design and good stability when compared to huge long-focus reflection spectrometers like the f300mm and f500mm.

Technical Parameters:

Product Name	ST100S Transmission Imaging Spectrometer
Wavelength Range	785nm~988nm corresponds to 0~2600cm ⁻¹
Optical Resolution	0.35nm, corresponds to 5cm ⁻¹ (50μm slit) 0.25nm, corresponds to 3cm ⁻¹ (25μm slit)
Grating Type	VPH volume holographic transmission grating
Diffraction Efficiency	>85%
Fiber Interface	SMA905 or Φ10mm multi-core optical fiber
Integration Time	1ms-3600s
Dimensions	354.9*198.7*123.5(mm)
Weight	<6kg (including camera)

Features:

VPH grating, diffraction efficiency reaches 90%
Zero aberration design, diffraction-limited resolution
Compatible with various PI and Andor scientific research cryogenic cameras, extremely low dark current noise
High-throughput design, numerical aperture 0.25
Compatible with SMA905 optical fiber and Φ10mm multi- core optical fiber interface, supporting multi-channels
High stability for laboratory and industrial applications

Applications:

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.

Transmission Imaging Spectrometer

Ultimate sensitivity High resolution

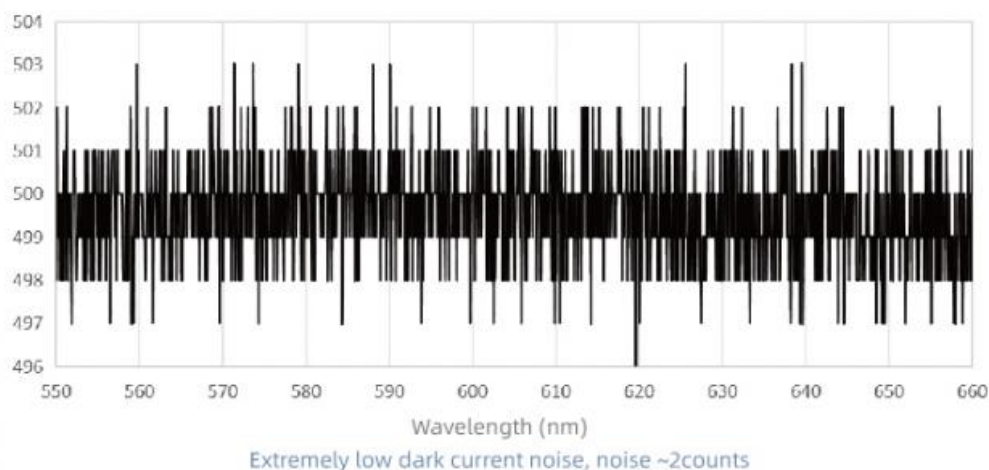
ST100S



Technical Characteristics

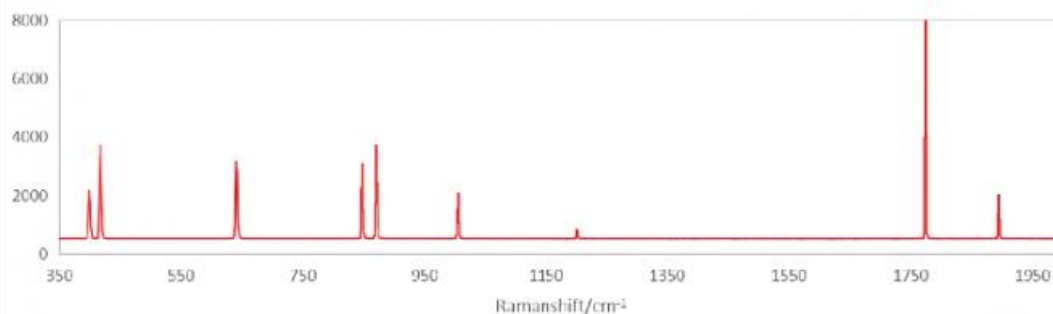
High Compatibility

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

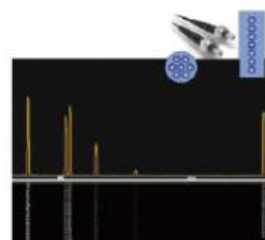


Zero-aberration

Zero aberration design, diffraction-limited resolution

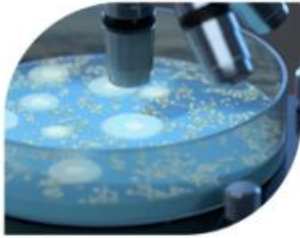


Slit resolution of 25μm can achieve 3cm⁻¹



Multi-core optical fiber
imaging performance

Technical Features



Research-grade Raman spectroscopy detection system

785nm Confocal Raman microscopy



Online Raman detection

Detection of pharmaceuticals,
biological fermentation and chemical
reaction process

Package



Packaging Box



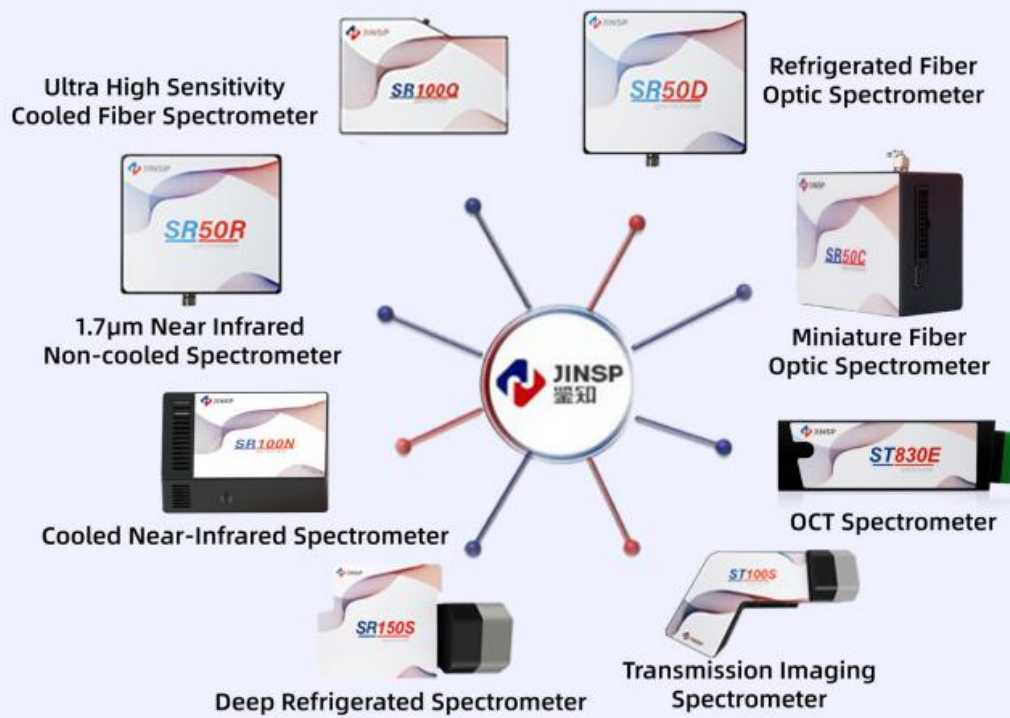
ST100S



Internal Packaging

Spectrometer Series

Spectrometer Series



Company Introduction

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.

Company Profile



Exhibition



Certifications



FAQ

Q: What is the minimum order quantity for JINSP ST100S High-Throughput Transmission Fiber Spectrometer?

A: The minimum order quantity for JINSP ST100S High-Throughput Transmission Fiber Spectrometer is 1 PC.

Q: What are the payment terms for JINSP ST100S High-Throughput Transmission Fiber Spectrometer?

A: The payment terms for JINSP ST100S High-Throughput Transmission Fiber Spectrometer are T/T and Western Union.

Q: What is the delivery time for JINSP ST100S High-Throughput Transmission Fiber Spectrometer?

A: The delivery time for JINSP ST100S High-Throughput Transmission Fiber Spectrometer is 30-40 working days.

Q: What are the packaging details for JINSP ST100S High-Throughput Transmission Fiber Spectrometer?

A: The packaging details for JINSP ST100S High-Throughput Transmission Fiber Spectrometer are customized packaging.



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