

## Deep Cooling Raman Spectrometer Lightweight 6Kg Including Camera

### Our Product Introduction

for more products please visit us on [spectralanalyser.com](http://spectralanalyser.com)

#### 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: 50 PCS/70-90 days



#### Product Specification

- Features: High Compatibility, Zero-aberration, High Diffraction Efficiency, Support Multiple Channels, High Flux, Highly Stable
- Dimensions: 354.9\*198.7\*123.5mm
- Diffraction Efficiency: >85%
- Grating Type: VPH Volume Holographic Transmission Grating
- Weight: <6Kg (including Camera)
- Number Of Channels: 6 Channels (for Multi-core Optical Fiber With Core Diameter Of 200μm)
- Wavelength Range: 785nm~988nm Corresponds To 0~2600cm<sup>-1</sup>
- Fiber Connector: FC/PC
- Highlight: **Deep Cooling Raman Spectrometer, Raman Spectrometer Lightweight,**

### Deep-cooling Raman Spectrometer Lightweight 6Kg including Camera

Featuring 6 channels, this spectrometer is specifically designed for use with multi-core optical fibers with a core diameter of 200µm, allowing for high-throughput transmission of data. With dimensions of 354.9\*198.7\*123.5mm, this spectrometer is compact and easy to use, making it suitable for use in a variety of research settings.

With an optical resolution of 0.35nm, this spectrometer is capable of providing precise and accurate data, corresponding to 5cm<sup>-1</sup> (50µm slit). This high level of optical resolution makes the spectrometer ideal for use in a variety of research applications, including research-grade Raman spectroscopy detection systems and 785nm confocal Raman microscopy.

## Transmission Imaging Spectrometer

Ultimate sensitivity High resolution

# ST100S



### Features:

Product Name: High-Throughput Transmission Fiber Spectrometer

Dimensions: 354.9\*198.7\*123.5mm

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.

High Compatibility

Zero-aberration

High Diffraction Efficiency

Support multiple channels

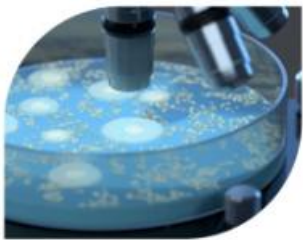
High Flux

Highly stable

Fiber Connector: FC/PC

Additional keywords: Transmission Imaging Spectrometer, Transmission 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

### Technical Parameters:

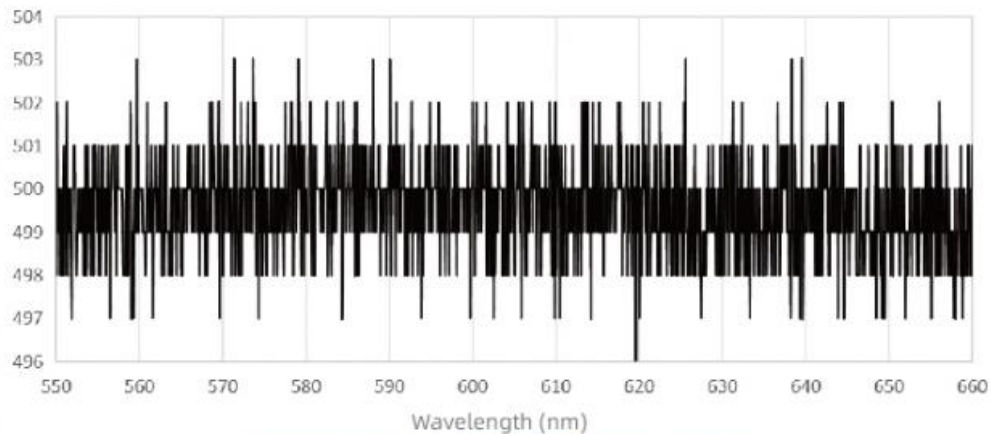
Product Name	Transmission Fiber Spectrometer Advanced Spectral Analysis Technology
Product Category	Fiber Optic Spectrometers
Features	High Compatibility, Zero-aberration, High Diffraction Efficiency, Support multiple channels, High Flux, Highly stable
Applications	Research-grade Raman spectroscopy detection system: 785nm Confocal Raman microscopy, Online Raman detection: Detection of pharmaceuticals, biological fermentation and chemical reaction process
Number Of Channels	6 Channels (for Multi-core Optical Fiber With Core Diameter Of 200μm)
Optical Resolution	0.35nm, Corresponds To 5cm-1(50μm Slit)
Dimensions	354.9*198.7*123.5mm
Grating Type	VPH Volume Holographic Transmission Grating

Keywords: Research-grade Raman spectroscopy, Transmission raman Spectrometer, multiple scientific research Raman Spectrometer

# Technical Characteristics

## High Compatibility

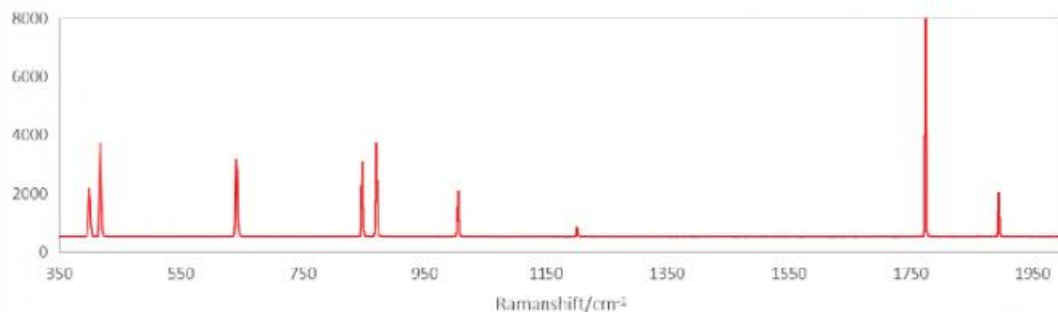
Compatible with multiple scientific research grade cooling cameras such as PI and Andor, with ultra-low dark current and noise



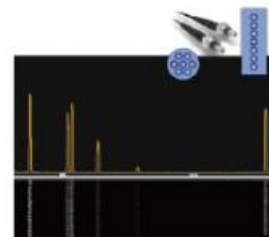
Extremely low dark current noise, noise ~2counts

## Zero-aberration

Zero aberration design, diffraction-limited resolution

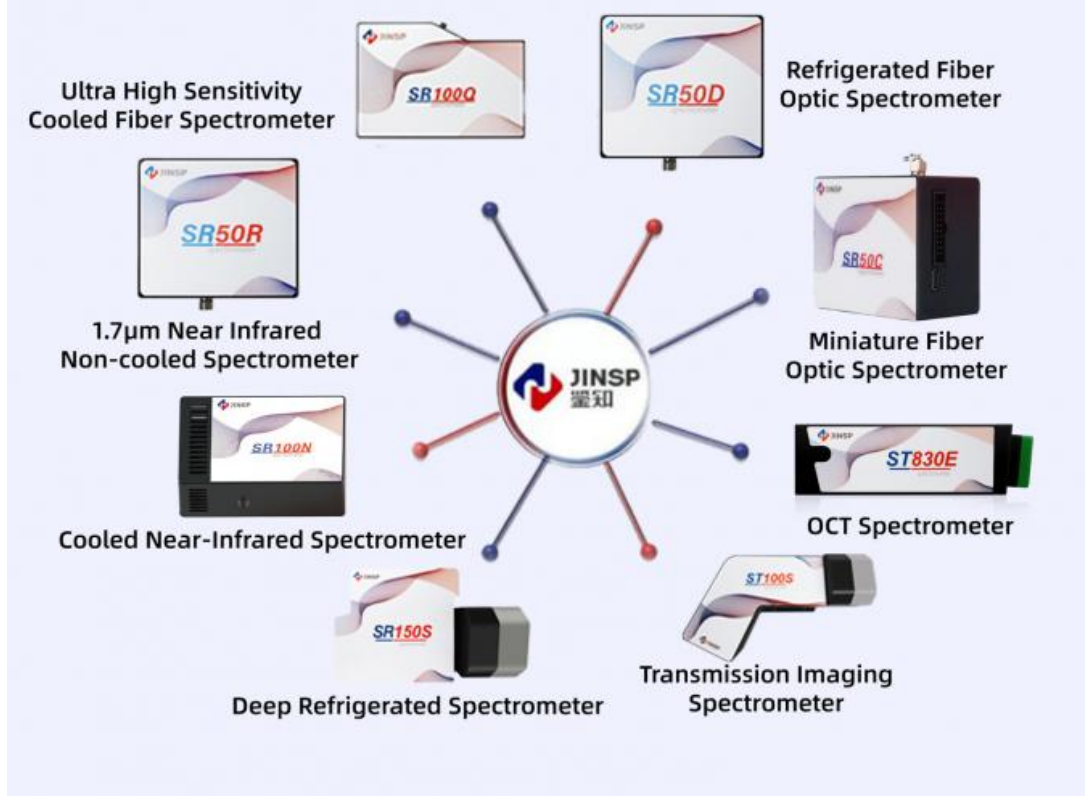


Slit resolution of 25 $\mu$ m can achieve 3cm<sup>-1</sup>



Multi-core optical fiber  
imaging performance

# Spectrometer Series



## Support and Services:

The High-Throughput Transmission Fiber Spectrometer product is designed to provide high-quality spectral measurements in a compact and versatile package. We offer comprehensive technical support and services to ensure that your instrument performs optimally over its lifetime.

Our technical support team is available to assist you with any questions or issues you may have, including troubleshooting, software updates, and calibration. We also provide training and education resources to help you get the most out of your instrument. In addition to our technical support services, we offer a range of maintenance and repair options to keep your instrument in top condition. Our service contracts provide regular maintenance and calibration, as well as priority access to our technical support team. For customers who require specialized applications or customization, we offer custom engineering services to meet your specific needs. Our team of experienced engineers can work with you to design and build a custom solution that meets your exact requirements.

## Packing and Shipping:

Product Packaging:

The High-Throughput Transmission Fiber Spectrometer product will be packaged carefully and securely to ensure safe delivery to our customers. The product will be placed in a sturdy cardboard box with appropriate padding to prevent damage during shipping. The box will also include a user manual for easy installation and operation of the spectrometer.

# Package



Packaging Box



ST100S



Internal Packaging

## FAQ:

**What is the model number of the Fiber Spectrometer offered by JINSP?**

The model number of our Fiber Spectrometer is ST100S.

**What is the place of origin of the JINSP Fiber Spectrometer?**

The JINSP Fiber Spectrometer is manufactured in China.

**What is the minimum order quantity for the JINSP Fiber Spectrometer?**

The minimum order quantity for our Fiber Spectrometer is 1 PC.

**What are the payment terms accepted for purchasing the JINSP Fiber Spectrometer?**

We accept T/T and Western Union as payment terms.

**What is the delivery time for the JINSP Fiber Spectrometer?**

The delivery time for our Fiber Spectrometer is between 40-70 working days.



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