

## Throughput Transmission Fiber Spectrometer 532nm Confocal Raman Microscopy 6kg Weight

Our Product Introduction

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### Basic Information

- Place of Origin: CHINA
- Brand Name: JINSP
- Certification: ISO9001
- Model Number: ST90S
- 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

- Wavelength Range: 532nm~680nm (260~4200cm-1)
- Focal LengthTime: 90mm
- Detector: PI Pixis 100BX
- Effective Pixel: 1340\*100
- Highlight: **Throughput Transmission Fiber Spectrometer, Fiber Spectrometer 532nm, 532nm Confocal Raman Microscopy**



### More Images



## Product Description

### Throughput Transmission Fiber Spectrometer 532nm Confocal Raman Microscopy 6kg Weight

#### Product Description:

The High-Throughput Transmission Raman Spectrometer boasts a VPH Volume Holographic Transmission Grating, which provides superior spectral resolution and throughput. With an optical resolution of 0.25nm, which corresponds to 8cm<sup>-1</sup> (50µm slit), you can be assured of accurate and precise measurements.

The High-Throughput Transmission Raman Spectrometer operates within a wavelength range of 540nm~686nm, which corresponds to 260~4200cm<sup>-1</sup>. This broad range allows for the detection of a wide range of materials, making it ideal for various applications.

Whether you're conducting research in industrial, pharmaceutical, or academic applications, the High-Throughput Transmission Raman Spectrometer is the perfect solution. With its modular design, it can easily integrate into your existing setup, allowing for quick and easy data collection.

Invest in the High-Throughput Transmission Raman Spectrometer for Quick Data Collection today and experience the benefits of an ultra-high sensitivity transmission spectrometer that delivers accurate and reliable results every time.

#### Features:

Product Name: High-Throughput Transmission Fiber Spectrometer

Product Category: Fiber Optic Spectrometers

Integration of industrial Raman system: Capable of online gas detection and process analysis

Optical Resolution: 0.25nm, Corresponds To 8cm<sup>-1</sup>(50µm Slit)

Dimensions: 348.7mm×222.8mm ×126mm

Diffraction Efficiency: >85%

Features: Deep cooling 532nm Raman Spectrometer Module

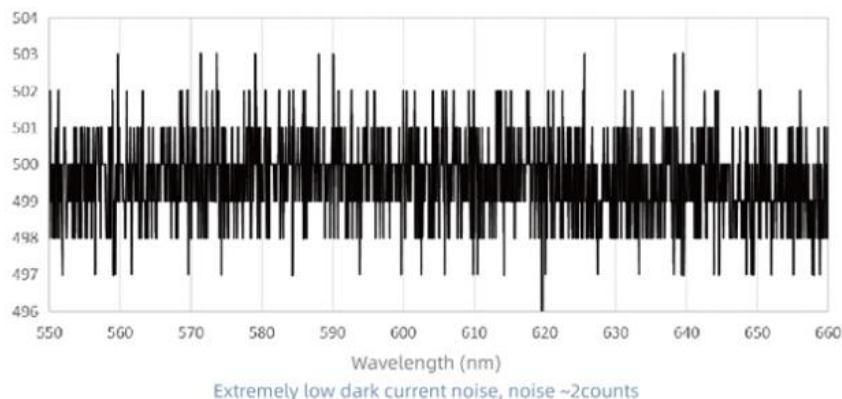
Features: Modular Spectrometer for 532nm Raman System

Features: High Throughput Transmission Spectrometer

# Technical Characteristics

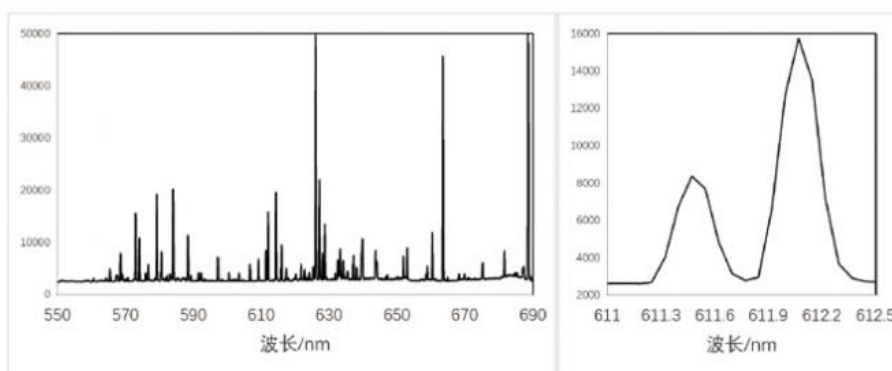
## High Compatibility

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



## Zero-aberration

Zero aberration design, diffraction-limited resolution



## Technical Parameters:

Product Name	High-Throughput Transmission Raman Spectrometer for Quick Data Collection
Product Category	Fiber Optic Spectrometers
Applications	Research-grade Raman spectroscopy detection system, 532nm Confocal Raman microscopy, Integration of industrial Raman system, Chemical Industry Online Biopharmaceuticals
Integration of industrial Raman system	Capable of online gas detection and process analysis
Optical Resolution	0.25nm, corresponds to 8cm <sup>-1</sup> (50μm slit)
Diffraction Efficiency	>85%
Numerical Aperture	0.25
Integration Time	1ms-3600s
Dimensions	348.7mm×222.8mm ×126mm
Fiber Interface	SMA905 or Φ10mm multi-core optical fiber

# Technical Characteristics



## Highly Stable

No adjustable components, applicable to labs and industries

## High Flux

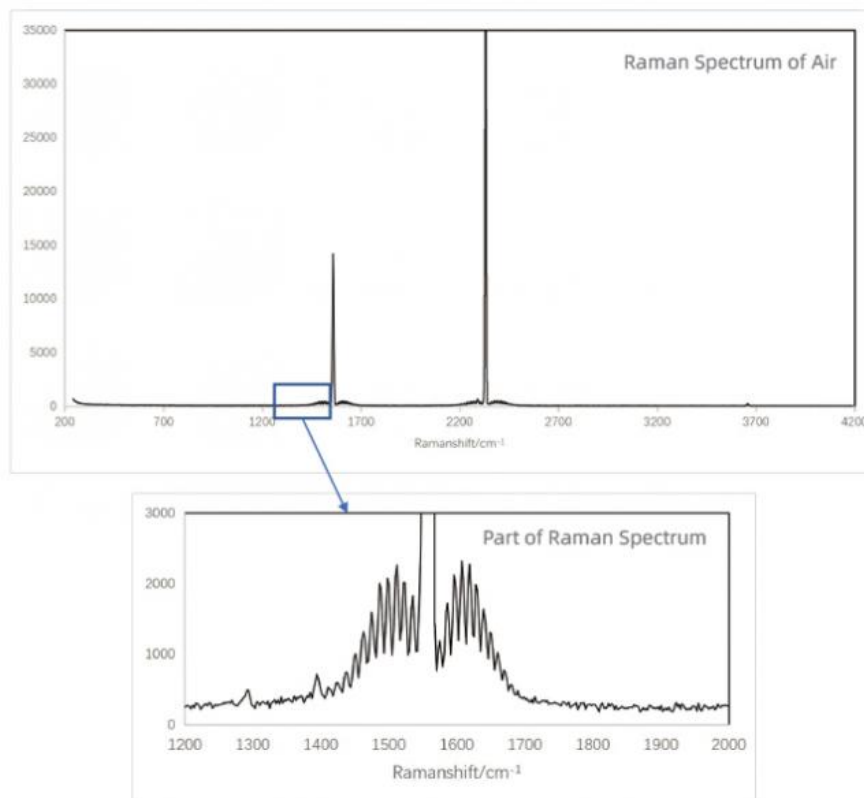
High flux, numerical aperture is 0.25

## High Diffraction Efficiency

VPH grating, diffraction efficiency up to 90%

## Support Multiple Channels

Compatible with SMA905 optical fiber and  $\Phi 10\text{mm}$  multi-core optical fiber input interface



## Applications:

The JINSP ST90S is a scientific 532nm Raman spectrometer module that is highly compatible with multiple scientific research-grade cooling cameras such as PI and Andor, with ultra-low dark current and noise. The spectrometer features a zero-aberration design and diffraction-limited resolution, making it applicable to labs and industries. The ST90S has a high-flux numerical aperture of 0.25 and high diffraction efficiency, with the VPH grating diffraction efficiency up to 90%. The spectrometer also supports multiple channels and is compatible with SMA905 optical fiber and  $\Phi 10\text{mm}$  multi-core optical fiber input interface.

The ST90S is a modular spectrometer for 532nm Raman system that is ideal for a range of applications. It is a research-grade Raman spectroscopy detection system that is capable of 532nm confocal Raman microscopy and integration of industrial Raman system. The spectrometer is widely used in the chemical industry, online biopharmaceuticals, and other industries that require high-throughput transmission fiber spectrometry.

As a leading supplier of spectroscopic technology, JINSP Technology offers over twenty spectroscopic products across various fields.

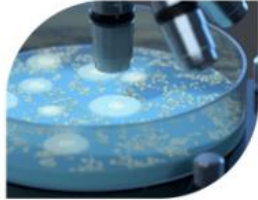
The company has 17 years of experience in developing spectroscopic technology and originates from Tsinghua University. Our products are available nationwide and are exported to over 30 countries, with cumulative sales exceeding 3,000 units.

The ST90S is certified and made in China, with a minimum order quantity of 1 unit and negotiable price. Payment terms are T/T and Western Union, with a supply ability of 80 PCS/70-90 days. The delivery time is 40-70 working days, and packaging details are customized to meet the customer's needs.

The ST90S is the perfect solution for those seeking a high-throughput transmission fiber spectrometer that is easy to use and highly stable. It is a modular spectrometer for 532nm Raman system that is capable of online gas detection and process analysis, making it an excellent choice for a range of scientific applications.

Visit JINSP Technology at our next exhibition to see our full range of spectroscopic products.

## Technical Features



### *Research-grade Raman spectroscopy detection system*

532 Confocal Raman microscopy



### *Integration of industrial Raman system*

Capable of online gas detection and process analysis

## Support and Services:

The High-Throughput Transmission Fiber Spectrometer product is designed to provide high-quality spectral measurements with fast acquisition times. Our technical support team is available to assist with any questions or issues related to the installation, operation, or maintenance of the product. Our services include:

Remote technical support via phone or email

On-site installation and training

Repair and calibration services

Customization options to meet specific application needs

We are committed to providing our customers with exceptional support and services to ensure the optimal performance of their High-Throughput Transmission Fiber Spectrometer. Contact us today to learn more and to schedule technical support or service for your product.

# Company Profile



## Packing and Shipping:

### Product Packaging:

The High-Throughput Transmission Fiber Spectrometer product will be packaged securely to ensure its safe delivery to the customer. The product will be placed in a sturdy cardboard box with appropriate cushioning material to prevent any damage during transportation. The box will be labeled with the product name and specifications for easy identification.

# Package



## FAQ:

What is the brand name of the product?  
JINSP

What is the model number of the product?  
ST90S

What certifications does the product have?  
ISO9001

What is the minimum order quantity for this product?  
1

What are the payment terms for this product?  
T/T, Western Union

What is the supply ability and delivery time for this product?  
Supply Ability: 80 PCS/70-90 days  
Delivery Time: 40-70working days

What are the packaging details of this product?  
Customized Packaging

Is the price negotiable for this product?  
Yes, the price is negotiable.



**JINSP Company Ltd.**



8618620854039



phoebeyu@jinsptech.com



spectralanalyser.com

21st Floor, Building D, Tsinghua Tongfang Science and Technology Plaza, Haidian District, Beijing China