Throughput Transmission Fiber Spectrometer For Industrial Raman System Biopharmaceuticals

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: JINSP
- Certification: CE ISO9001
- Model Number: ST90S2
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Customized Packaging
- Delivery Time: 40-70 working days
- Payment Terms: T/T, Western Union
- Supply Ability: 80 PCS/40-70 working days

Product Specification

- Product Name: High-Throughput Transmission Raman Spectrometer For Quick Data Collection
- Laser: 532nm ~ 680nm
- Numerical Aperture: 0.25
- Fiber Interface: SMA905 Or Φ10mm Multi-core Optical Fiber
- Grating Type: VPH Volume Holographic Transmission Grating
- Dimensions: 348.7mm×222.8mm ×126mm
- Highlight: **Biopharmaceuticals Fiber Spectrometer**, **Industrial Raman System Fiber Spectrometer**, **Biopharmaceuticals transmission spectrometer**

More Images

Our Product Introduction

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Product Description

Throughput Transmission Fiber Spectrometer for Industrial Raman System Biopharmaceuticals

Product Description:

The High-Throughput Transmission Raman Spectrometer for Quick Data Collection is a modular spectrometer for 532nm Raman system. It is an ultra high sensitivity transmission spectrometer that features a scientific 532nm Raman spectrometer module. The spectrometer is equipped with a VPH volume holographic transmission grating and is available with either an SMA905 or Φ10mm multi-core optical fiber interface. The weight of the product is less than 6kg, including the camera.

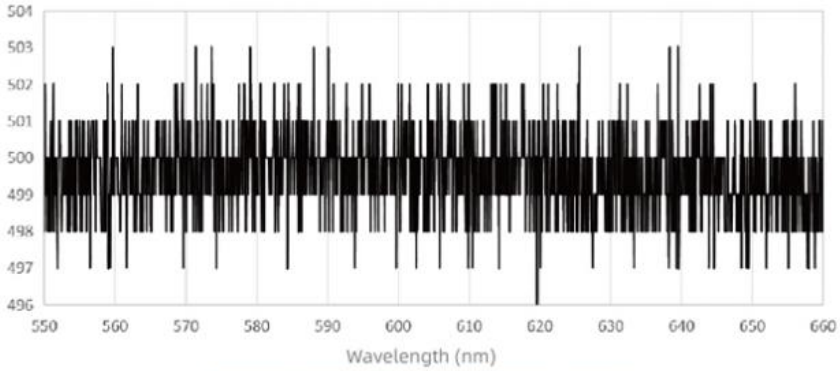
Features:

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
Highly Stable: No adjustable components, applicable to labs and industries
High Flux: High flux, the numerical aperture is 0.25
High Diffraction Efficiency: VPH grating, diffraction efficiency up to 90%
Support Multiple Channels: Compatible with SMA905 optical fiber and Φ10mm multi-core optical fiber input interface
Diffraction Efficiency: >85%
Product Category: Fiber Optic Spectrometers
Optical Resolution: 0.25nm, Corresponds To 8cm-1(50μm Slit)

Technical Characteristics

High Compatibility

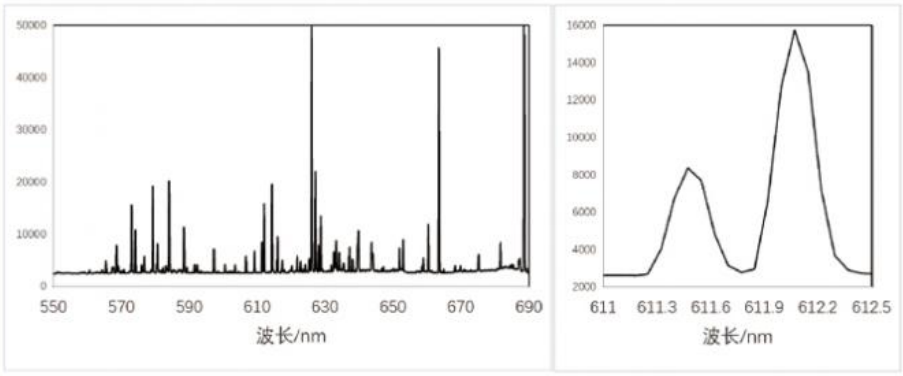
Compatible with multiple scientific research grade cooling cameras such as PI and Andor, with ultra-low dark current and noise



Extremely low dark current noise, noise ~2counts

Zero-aberration

Zero aberration design, diffraction-limited resolution



Atomic spectral lamp, with a half-width as low as 4cm-1

Technical Characteristics

Highly Stable

No adjustable components, applicable to labs and industries

High Flux

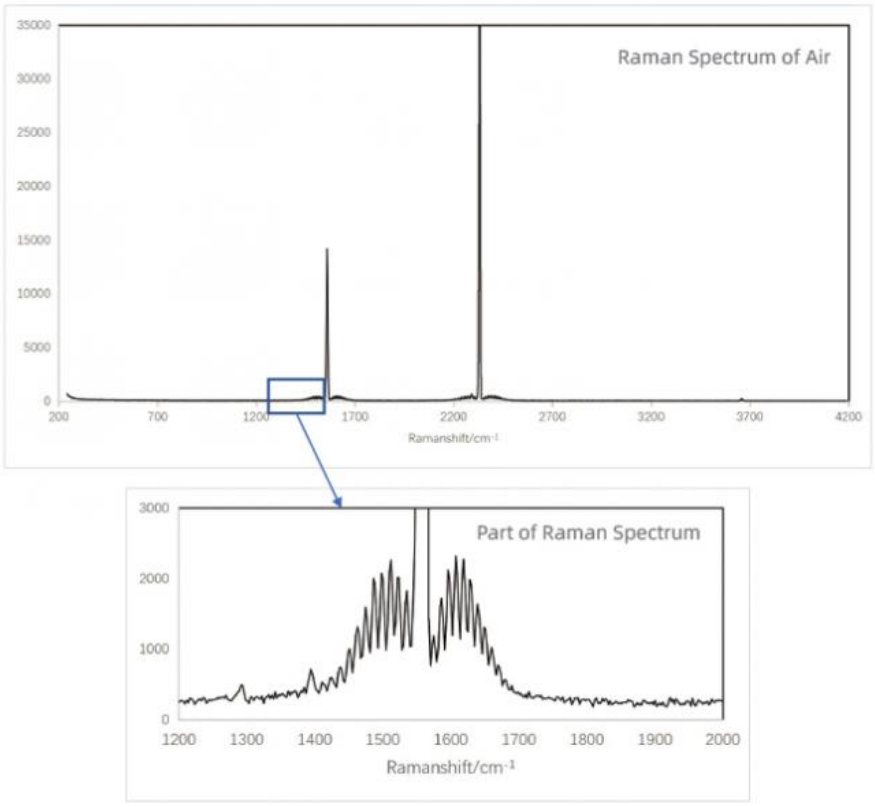
High flux, numerical aperture is 0.25

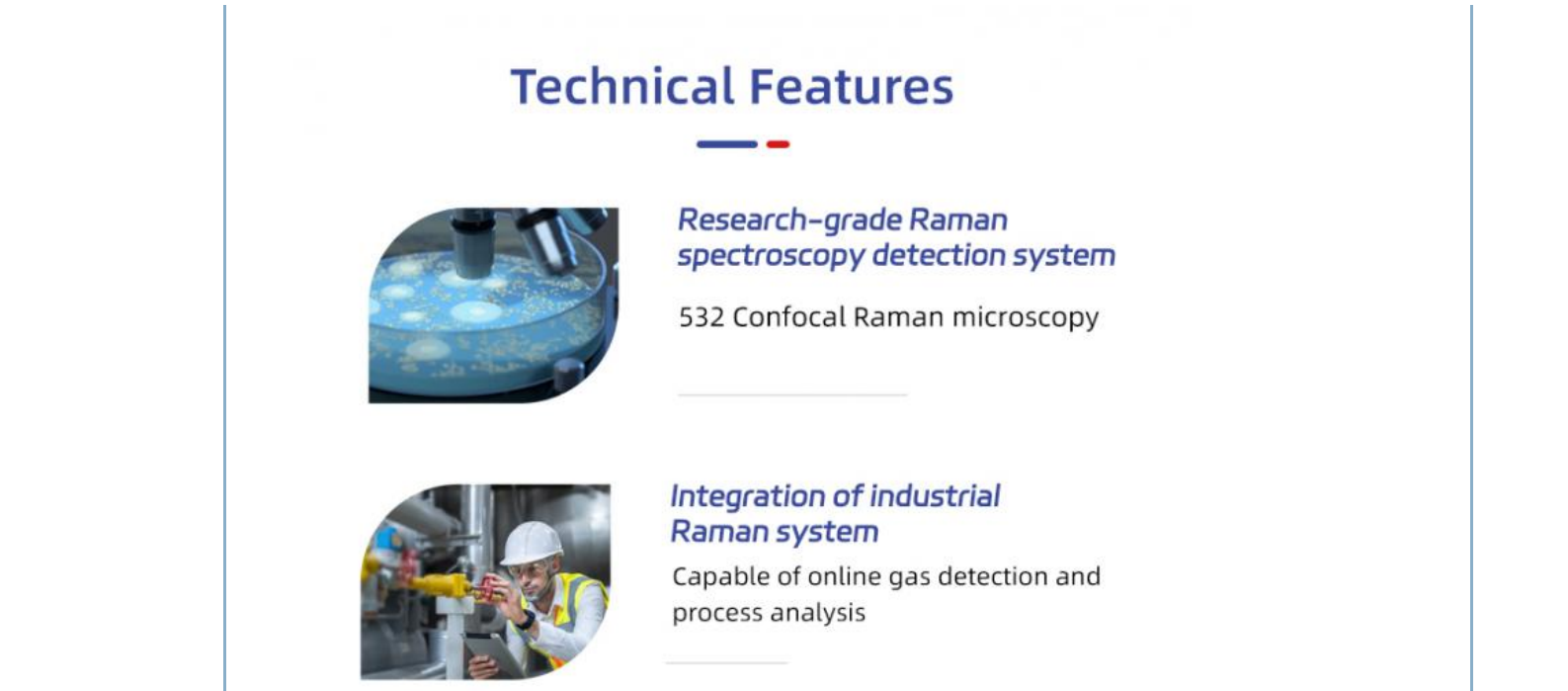
High Diffraction Efficiency

VPH grating, diffraction efficiency up to 90%

Support Multiple Channels

Compatible with SMA905 optical fiber and Φ10mm multi-core optical fiber input interface





Technical Parameters:

Fiber Interface	SMA905 Or Φ10mm Multi-core Optical Fiber
Research-grade Raman spectroscopy detection system	532 Confocal Raman microscopy
Integration of industrial Raman system	Capable of online gas detection and process analysis
Weight	<6kg (including Camera)
Product Name	High-Throughput Transmission raman Spectrometer for Quick Data Collection
Diffraction Efficiency	>85%
Dimensions	348.7mm×222.8mm ×126mm

Product Description: The High Throughput Transmission Spectrometer is a Deep cooling 532nm Raman Spectrometer Module with VPH Grating Modular Spectrometer. It is designed for quick data collection and is suitable for research-grade Raman spectroscopy detection system 532nm Confocal Raman microscopy and integration of industrial Raman system chemical industry online biopharmaceuticals.

Applications:

The ST90S is a powerful tool that can be used in different occasions and scenarios. Here are some of the product application occasions where you can use the ST90S:
Material Research - The ST90S is perfect for measuring the transmission spectra of various materials, including thin films, semiconductors, and optical coatings. It can also be used to analyze the optical properties of nanoparticles and nanomaterials.
Environmental Monitoring - The ST90S is suitable for detecting and analyzing the transmission spectra of different environmental samples, including air, water, and soil. It is also useful for measuring the concentration of pollutants and identifying their sources.
Chemical Analysis - The ST90S can be used to study the transmission spectra of different chemicals, including organic compounds, inorganic compounds, and polymers. It can also be used to identify and quantify impurities and contaminants in various samples.
Biomedical Applications - The ST90S is perfect for studying the transmission spectra of biological samples, including proteins, DNA, and cells. It can also be used to detect and diagnose different diseases and disorders.

The ST90S also features an integration time that can range from 1ms to 3600s, allowing for precise and accurate measurements of different samples. Its compact dimensions of 348.7mm×222.8mm ×126mm make it easy to handle and store.

JINSP ST90S High-Throughput Transmission Fiber Spectrometer is a versatile and reliable product that can be used in various industries and applications. Its high sensitivity, precision, and speed make it a valuable tool for any laboratory or research setting.

Support and Services:

Our High-Throughput Transmission Fiber Spectrometer product is designed to provide accurate and reliable spectral measurements for a wide range of applications. Our technical support and services team is available to assist with any questions or issues you may have regarding the use of this product.
Our support services include:

Installation and setup assistance
Troubleshooting and problem resolution
Product training and education
Calibration and maintenance services
Software updates and upgrades
We are committed to ensuring that our customers get the most out of their High-Throughput Transmission Fiber Spectrometer. If you have any questions or concerns, please do not hesitate to contact our support team.

Packing and Shipping:

Product Packaging:
The High-Throughput Transmission Fiber Spectrometer product will be carefully packed in a sturdy cardboard box with foam inserts to ensure safe transportation. The product will be wrapped in a protective covering to prevent any scratches or damage during shipping.

Shipping:
The product will be shipped via a reputable carrier to ensure timely delivery. Shipping options will be presented at checkout and the customer can choose their preferred method of shipping. The product will be shipped within 1-2 business days after the order has been processed.

FAQ:

What is the model number of the High-Throughput Transmission Fiber Spectrometer?
The model number of the High-Throughput Transmission Fiber Spectrometer is ST90S.

Where is the product manufactured?
The product is manufactured in China.

What is the minimum order quantity for this product?
The minimum order quantity for this product is 1.

What are the payment terms for this product?
The payment term for this product is T/T.

What is the delivery time for this product?
The delivery time for this product is 40-70 working days.

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