

1064nm Transmission Imaging Spectrometer Compact Design Powerful Performance

Our Product Introduction

for more products please visit us on spectralanalyser.com

Basic Information

- Place of Origin: CHINA
- Brand Name: JINSP
- Certification: CE ISO9001
- Model Number: ST50S
- 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: 1080nm~1330nm
- Company Profile And Exhibition: 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 Fi
- Integration Time: 1ms-3600s
- Weight: <4kg (including Camera)
- Detector: Line Array CMOS
- Applications: Research-grade Raman Spectroscopy Detection System, 1064nm Confocal Raman Microscopy, Integration Of Industrial Raman System, Chemical Industry Online, Biopharmaceuticals

Product Description

Compact Design Powerful Performance 1064nm Transmission Imaging Spectrometer

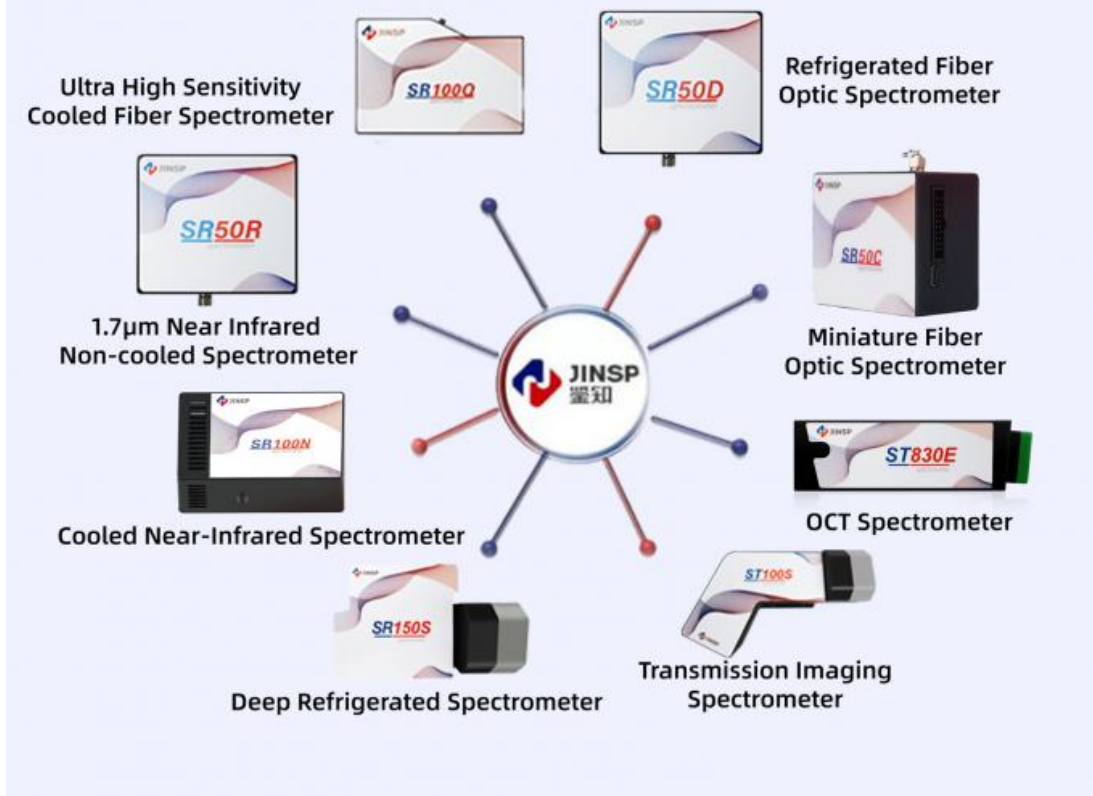
Product Description:

With its advanced features and capabilities, the High-Throughput Transmission Fiber Spectrometer is ideal for a variety of applications, including Raman spectroscopy, fluorescence analysis, and more. Whether you need a high-performance Raman portable spectrometer for research or industrial applications, this device delivers outstanding performance and reliability.

One of the key features of the High-Throughput Transmission Fiber Spectrometer is its VPH volume holographic transmission grating. This type of grating provides superior spectral resolution and throughput compared to traditional gratings, making it an ideal solution for demanding applications. Whether you are performing Raman spectroscopy, fluorescence analysis, or other types of measurements, this spectrometer delivers accurate and reliable results.



Spectrometer Series



Features:

Product Name: High-Throughput Transmission Fiber Spectrometer
Grating Type: VPH volume holographic transmission grating
Detector: Line Array CMOS
Package: Not specified
Integration Time: 1ms-3600s
Product Category: Transmission Imaging Spectrometer

Technical Parameters:

Technical Parameter	Description
Product Name	High-Throughput Transmission imaging Spectrometer Quick and Accurate Measurements
Detector	Line Array CMOS
Effective Pixels	512*1
Cell Size	25μm*500μm
Integration Time	1ms-3600s
Fiber Interface	SMA905 or Φ10mm multi-core optical fiber
Weight	<4kg (including camera)
Width Of The Incident Slit	6 Cm-1 (25 μm)8 Cm-1(50 μm)
Applications	Raman spectrometer, Research-grade Raman spectroscopy detection system, Transmission Imaging Spectrometer, 1064nm Confocal Raman microscopy, Integration of industrial Raman system, Chemical Industry Online, Biopharmaceuticals

Product Parameters

	Performance Indicators	Parameters
Detector	-	See model table for detailed parameters
Optical Parameters	Wavelength Range	1080nm~1330nm corresponds to 140~1880cm ⁻¹
	Optical Resolution	0.35nm, corresponds to 8cm ⁻¹ (50μm slit) 0.25nm, corresponds to 6cm ⁻¹ (25μm slit)
	Grating Type	VPH volume holographic transmission grating
	Diffraction Efficiency	>85%
	Fiber Interface	SMA905 or Φ10mm multi-core optical fiber
	Numerical Aperture	0.25
Electrical Parameters	Integration Time	1ms-3600s
	Data Output Interface	USB or serial port
	ADC Bit Depth	16-bit
	Power Supply	DC 5V (±0.5V)
	perating Current	3A
	Operating Temperature	-20°C ~60°C
	Storage Temperature	-30°C ~70°C
Physical Parameters	Operating Humidity	<90%RH (no condensation)
	Dimensions	253mm*152mm*93mm
	Weight	<4kg (including camera)

List of Product Models

S

T

50

S

-

X

Classification of different detectors

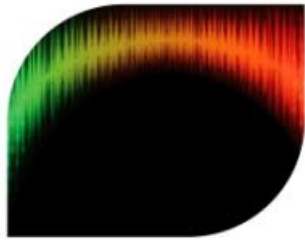
Product Model	ST50S1	ST50S2
Detector Brand or Model	Hamamatsu Secondary deep cooling InGaAs	AndoriDus InGaAs
Number of Pixels	512*1	512*1
Pixel Size	25μm*500μm	25μm*500μm
Cooling Temperature °C	-20	-80

* Customization available for other ranges

Applications:

One of the product application occasions for the ST50S is in the field of material science research. It is ideal for studying the molecular structure and dynamics of various materials, such as polymers, composites, and metals. The ST50S can accurately measure the Raman spectra of these materials, providing valuable insights into their properties and potential applications. Another application is in the field of life sciences, where the ST50S can be used for biomolecular analysis, drug discovery, and disease diagnosis.

Typical Applications



Research-grade Raman spectroscopy detection system

1064nm Confocal Raman microscopy



Integration of industrial Raman system

Chemical Industry Online
Biopharmaceuticals

Support and Services:

Our services include:

Installation and setup assistance

Training and education on product usage and maintenance

Troubleshooting and problem-solving support

Calibration and validation services

Repair and maintenance services

Software and firmware updates

Company Profile



Packing and Shipping:

The High-Throughput Transmission Fiber Spectrometer will be packaged in a sturdy cardboard box to ensure safe transportation. The device will be secured with foam padding to prevent any damage during transit. The packaging will also include a user manual and a power cord.

Shipping:

We offer free shipping for the High-Throughput Transmission Fiber Spectrometer to most countries. The device will be shipped via a reputable courier service, and a tracking number will be provided. Delivery times may vary depending on the destination and any customs procedures.

Package



Packaging Box



ST90S



Internal Packaging

FAQ:

Q1: What is the brand name of this product?

A1: The brand name of this product is JINSP.

Q2: What is the model number of this product?

A2: The model number of this product is ST50S.

Q3: Where is this product manufactured?

A3: This product is manufactured in China.

Q4: What are the payment terms for purchasing this product?

A4: The payment terms for purchasing this product are T/T and Western Union. The price is negotiable, and the minimum order quantity is



JINSP Company Ltd.

8618620854039

phoebeyu@jinsptech.com

spectralanalyser.com

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