Linear Array InGaAs Near Infrared Fiber Optic Spectrum Analyzer Customizable

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: JINSP
- Certification: CE ISO9001
- Model Number: SR50R
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Customized Packaging
- Delivery Time: 30-50working days
- Payment Terms: T/T, Western Union
- Supply Ability: 100 PCS/70-90 days

Product Specification

- Technical Parameters: Product Name: Near Infrared Non-cooled Spectrometer, Wavelength Range: 900-1700nm, Chip Type: Linear Array InGaAs, Entrance Slit Width: 5μm, 10μm, 25μm, 50μm (customizable), Incident Light Interface: SMA905, Free Space, Integration Time: 1ms-5s, Operating
- Product Details: The JINSP SR50R17 Is A Compact, Cost-effective 900nm~1700nm Near-infrared Spectrometer, Using A Non-cooled InGaAs Sensor With High Sensitivity And Resolution.Typical Applications:Moisture Content Measurement, Wastewater Testing.Detection Of Substances Such
- Integration Time: 1ms-5s
- Company Profile And JINSP Company Limited Originates From

Product Description

Linear Array InGaAs Near-infrared Fiber Spectrometer

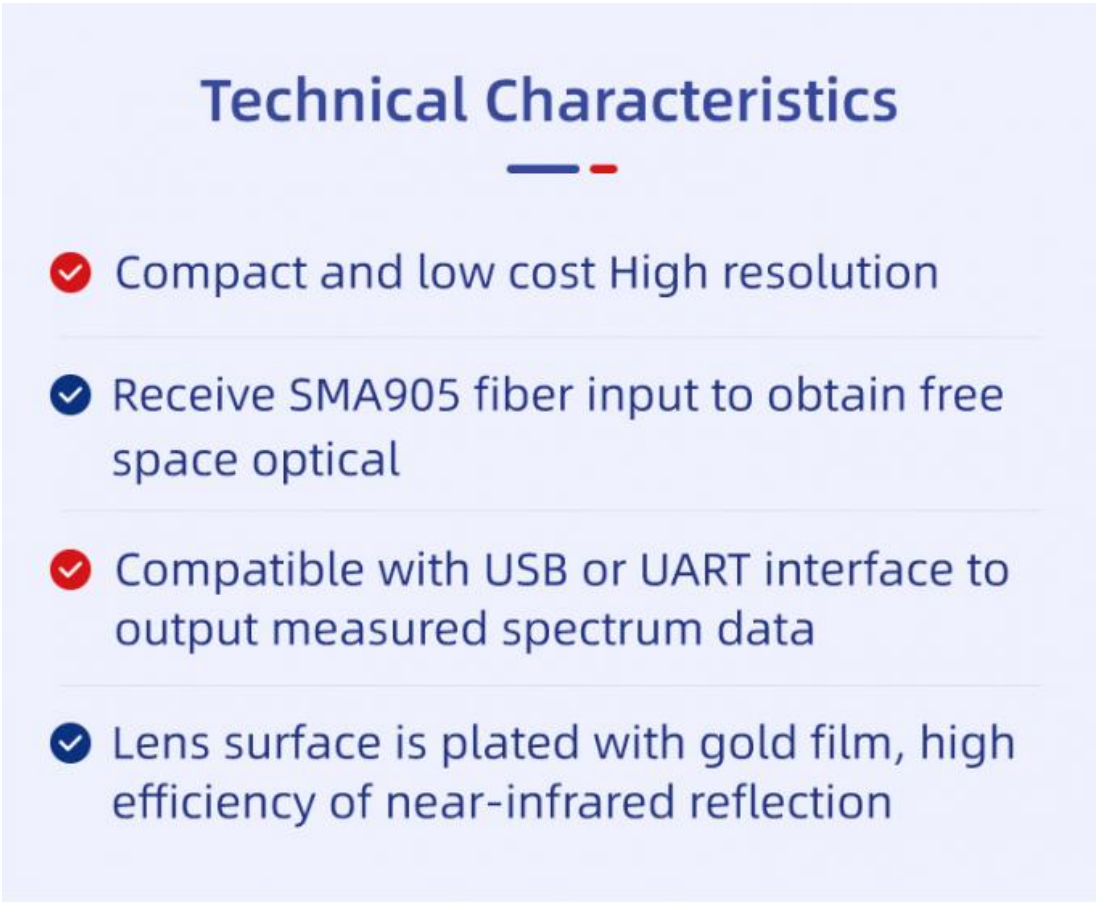
Product Description:

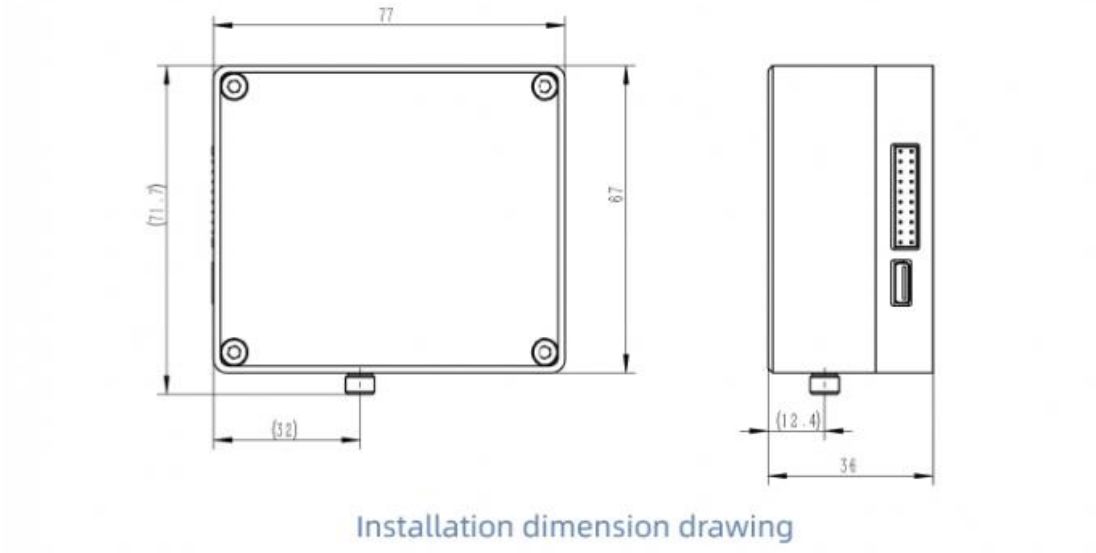
The device features a linear array InGaAs chip and entrance slit widths of 10μm, 25μm, and 50μm. The entrance slit is customizable to widths of 5μm, 10μm, 25μm, and 50μm. It also has a receive SMA905 fiber input to obtain free space optical. The lens surface is plated with a gold film, providing high efficiency of near-infrared reflection.
The Near-infrared Fiber Spectrometer is compatible with USB or UART interfaces to output measured spectrum data. The data output interface options include USB2.0 and UART. This makes the device highly versatile and allows for easy integration into existing systems.
The technical parameters of the device include integration time of 1ms-5s and operating humidity of less than 90%RH (no condensation).
The device measures 77mm*67mm*36mm in size and weighs 0.4KG, making it easy to transport and use.
In summary, the High-Performance Near-infrared Fiber Spectrometer for Industrial Applications is a reliable and versatile device that is ideal for use as a Raman spectrometer or near-infrared spectrometer. It offers high resolution and is compatible with USB or UART interfaces. The device has entrance slit widths of 10μm, 25μm, and 50μm and a wavelength range of 900nm~1700nm. Its lens surface is plated with a gold film, providing high efficiency of near-infrared reflection.

Features:

Features:
Compact and low cost

High resolution
Compatible with USB Or UART interface to output measured spectrum data
Receive SMA905 fiber input to obtain free space optical
Lens surface is plated with gold film, high efficiency of near-infrared reflection





Installation dimension drawing

Technical Parameters:

Product Name	High-Performance Near-infrared Fiber Spectrometer for Industrial Applications
Entrance Slit	10μm, 25μm And 50μm
Sensitive Area	6.4mm*0.25mm
Data Output Interface	USB2.0, UART
Type	Linear Array InGaAs
Wavelength Range	900-1700nm
Integration Time	1ms-5s

Product Parameters

	Performance Indicators	Parameters
Detector	Type	Linear array InGaAs
	Effective Pixel	128 (256 optional)
	Pixel Size	50μm*250μm
	Sensing Area	6.4mm*0.25mm
Optical Parameters	Wavelength Range	900-1700nm
	Optical Resolution	6.5nm (@25μm)
	Entrance Slit Width	5μm, 10μm, 25μm, 50μm (customizable)
	Incident Light Interface	SMA905 fiber interface, free space
Electrical Parameters	Integration Time	1ms-5s
	Data Output Interface	USB2.0, UART
	ADC Bit Depth	16-bit
	Power Supply	5V
	Operating Current	<1A
	Operating Temperature	10℃~40℃
	Storage Temperature	-20℃~60℃
	Operating Humidity	< 90%RH (no condensation)
Physical Parameters	Dimensions	77mm*67mm*36mm
	Weight	0.4kg

Applications:

The Near Infrared Non-cooled Spectrometer is perfect for analyzing a variety of materials, including food, pharmaceuticals, and chemicals. It can also be used in agriculture and environmental monitoring for soil analysis, plant health, and water quality testing. The spectrometer can be used to identify and analyze molecular structures, which can provide valuable information for quality control and research purposes.

Typical Applications

Moisture content measurement, wastewater testing

Detection of substances such as fat, oil, protein, fiber, etc.

Grain and fodder quality testing

Measurement of pharmaceutical mixture components

Support and Services:

The Near-infrared Fiber Spectrometer product comes with comprehensive technical support and services, ensuring that you get the most out of your investment. Our team of experienced professionals is ready to help you with:

Installation and set-up

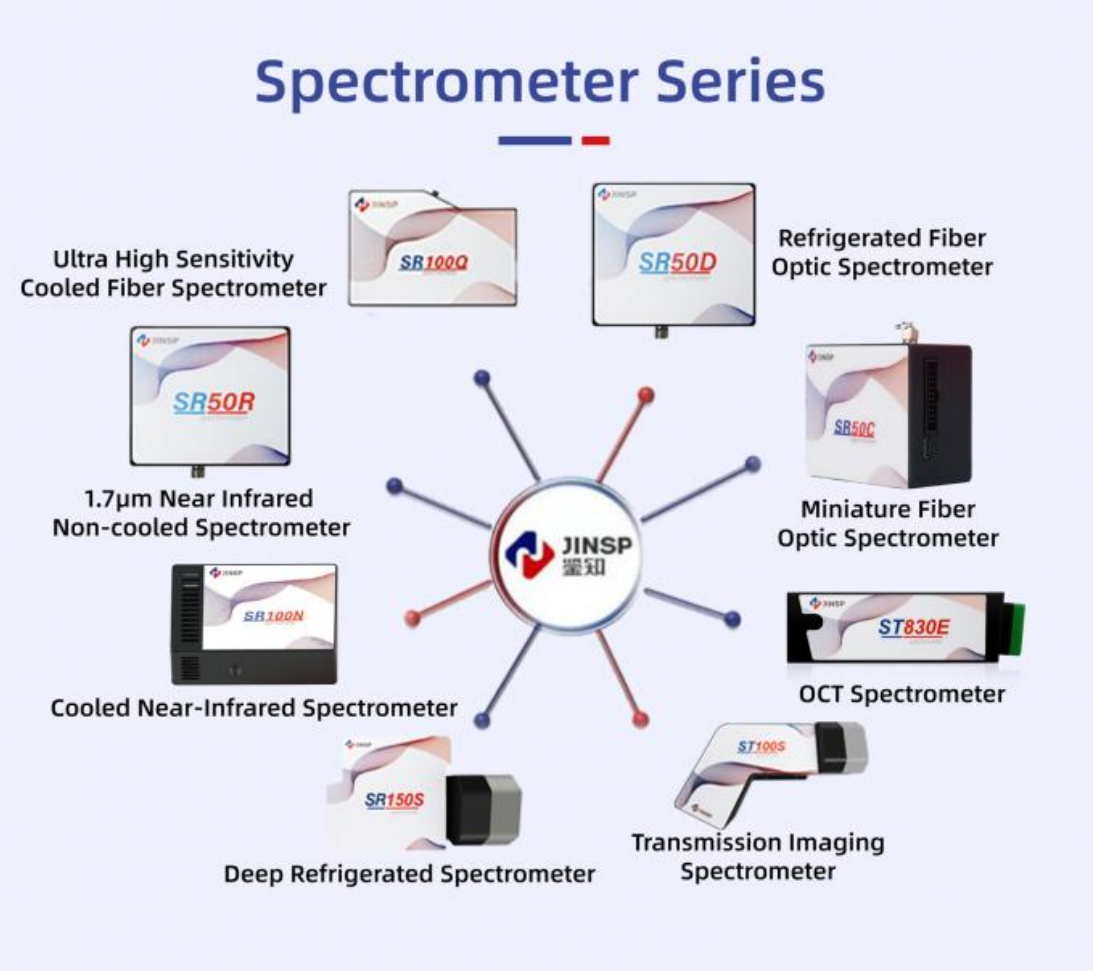
Training and education

Customization and integration

Maintenance and repairs

Calibration and validation

Software updates and upgrades



Packing and Shipping:

Product Packaging:
Near-infrared Fiber Spectrometer
USB cable
User manual

FAQ:

Q1: What is the brand name of the Near-infrared Fiber Spectrometer?
A1: The brand name of the Near-infrared Fiber Spectrometer is JINSP.
Q2: What is the model number of the Near-infrared Fiber Spectrometer?
A2: The model number of the Near-infrared Fiber Spectrometer is SR50R.
Q3: What certifications does the Near-infrared Fiber Spectrometer have?
A3: The Near-infrared Fiber Spectrometer is CE certified.
Q4: Where is the Near-infrared Fiber Spectrometer manufactured?
A4: The Near-infrared Fiber Spectrometer is manufactured in China.
Q5: What are the payment terms for purchasing the Near-infrared Fiber Spectrometer?
A5: The payment terms for purchasing the Near-infrared Fiber Spectrometer are T/T and Western Union. T

JINSP Company Ltd.

8618620854039 phoebeyu@jinsptech.com spectralanalyser.com

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