

Easy Operation Benchtop Raman Spectrometer For Research Applications

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: JINSP
- Certification: CE ISO9001
- Model Number: RS2100LABPro
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Customized Packaging
- Delivery Time: 60-80working days
- Payment Terms: TT
- Supply Ability: 20 PCS/60-80 days



Product Specification

- Laser Wavelength: 1064nm
- Wavelength Accuracy: 0.2nm
- Wavelength Stability: 0.01nm
- Detection Accuracy: 0.01%
- Highlight: **Easy Operation benchtop raman spectrometer**
,
benchtop raman spectrometer Research Applications
,
Research Applications raman spectroscopy detector



Product Description

Product Description:

This desktop Raman spectrometer is a compact and easy-to-use instrument that is perfect for a wide range of applications, including materials science, pharmaceuticals, and life sciences. It offers a high level of sensitivity, allowing for the detection of low-concentration samples, and it is equipped with a built-in touch screen for easy operation.

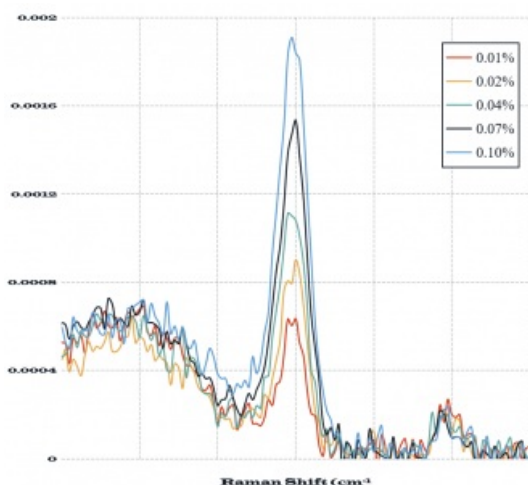
The Desktop Raman Spectrometer is equipped with a high-quality laser that emits at a wavelength of 1064nm. This wavelength is ideal for Raman spectroscopy because it allows for the detection of a wide range of substances, including those that are difficult to detect using other wavelengths. Additionally, the high sensitivity of the instrument makes it ideal for the detection of low-concentration samples.

This benchtop Raman spectrometer is also equipped with a high-quality detector that is capable of detecting even the smallest changes in the Raman spectrum. This allows for the detection of trace amounts of substances, which is essential in many applications.

The Desktop Raman Spectrometer is a powerful tool for the analysis of a wide range of samples. It is capable of detecting a variety of substances, including organic and inorganic compounds, polymers, minerals, and biological materials. It is also ideal for the analysis of complex mixtures, such as those found in pharmaceuticals and environmental samples.

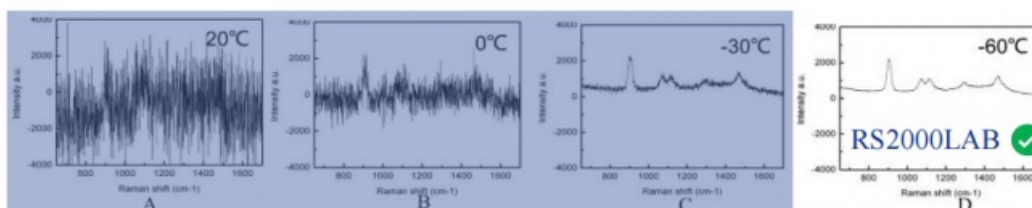
In addition to its exceptional performance, the Desktop Raman Spectrometer is also easy to use. It is equipped with a built-in touch screen that allows for easy operation, and it is also compatible with a variety of software packages, including LabVIEW and Matlab.

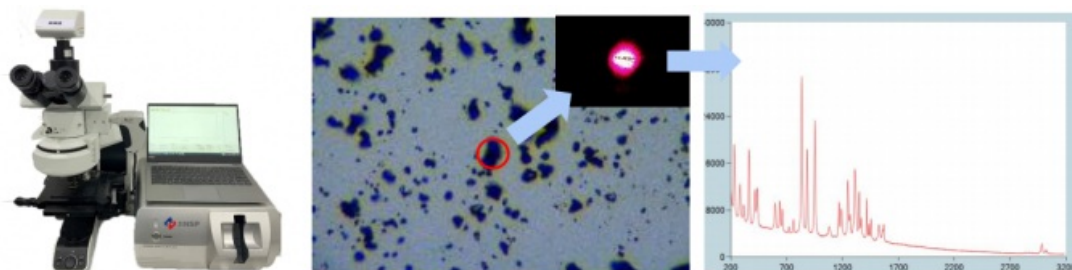
Overall, the Desktop Raman Spectrometer is a powerful and versatile benchtop Raman spectrometer that offers exceptional performance and ease of use. Its high sensitivity and 1064nm high sensitivity Raman instrument make it ideal for a wide range of applications, and its compact size and easy-to-use interface make it a valuable tool for any laboratory.



Features:

- Product Name: Desktop Raman Spectrometer
- Compact and portable size
- High-performance Raman analysis
- Non-destructive and non-invasive analysis
- Easy-to-use interface
- Intuitive software for data analysis and visualization
- Compatible with various sample types and sizes
- Real-time monitoring and analysis
- Integrated laser and detector system
- Wide spectral range
- Benchtop Raman Spectrometer
- Advanced optics and electronics for enhanced performance





Technical Parameters:

Product Attribute	Technical Parameter
Product Name	Desktop Raman Analyzer
Model	Benchtop Raman Spectrometer
Excitation Wavelength	1064 nm
Detection Method	CCD deep cooled detector
Weight	10 kg
Software	Compatible with the Windows operating system

Applications:

Material analysis: The JINSP RS2100LABPro is perfect for material analysis, such as identifying and quantifying the composition of unknown samples. It can be used for pharmaceuticals, polymers, chemicals, and many other materials. The desktop Raman analyzer can detect even the smallest amounts of impurities, making it an essential tool for quality control and research.

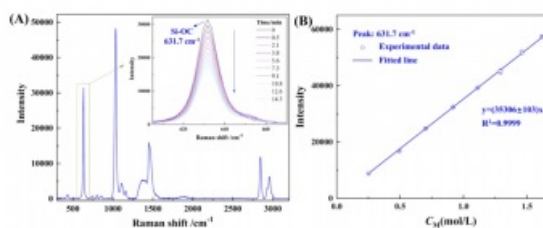
Environmental monitoring: The JINSP RS2100LABPro can also be used for environmental monitoring. It can detect pollutants in the air, water, and soil, making it an essential tool for environmental research and regulation. The desktop Raman analyzer can accurately identify contaminants and pollutants, making it an effective tool for ensuring the safety of our environment.

Forensic science: The JINSP RS2100LABPro is also useful in forensic science. It can be used to identify and analyze trace amounts of substances, such as drugs or explosives found at crime scenes. The desktop Raman analyzer can provide rapid and accurate results, making it an essential tool for forensic investigators.

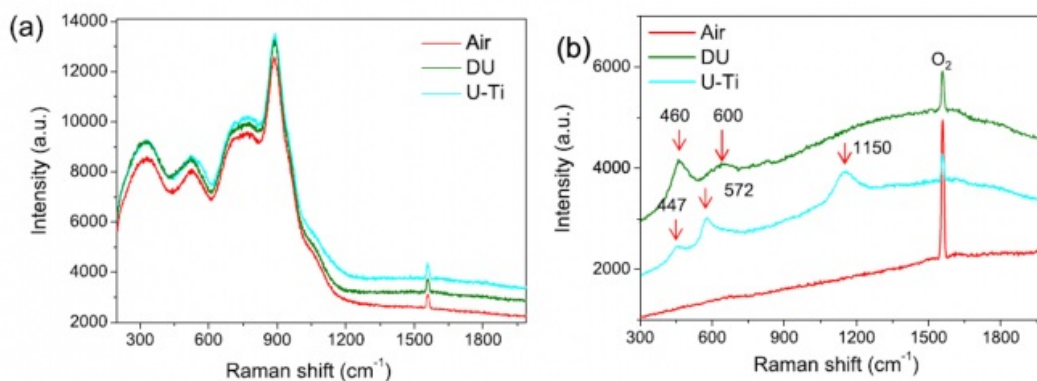
Pharmaceutical industry: The JINSP RS2100LABPro is also ideal for the pharmaceutical industry. It can be used for drug discovery and development, quality control, and process optimization. The desktop Raman analyzer can detect even the smallest changes in the chemical composition of drugs, ensuring their safety and efficacy.

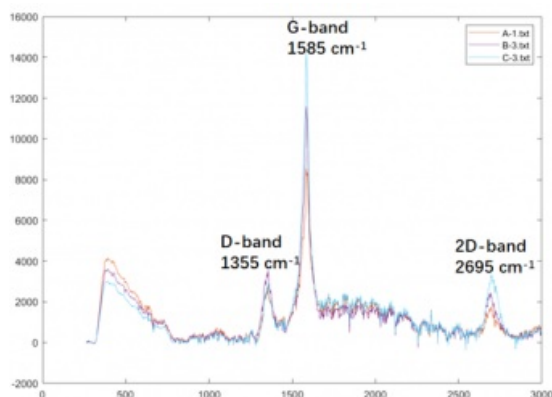


Fig. 1. Photograph of the in-situ Raman monitoring system.



Raman spectra and quantitative models of different MTMS contents in methanol solution





Support and Services:

Our Desktop Raman Spectrometer product comes with comprehensive technical support and services to ensure optimal performance and user satisfaction. Our team of experts is available to provide assistance with installation, configuration, and troubleshooting of the device. We also offer maintenance and repair services to extend the lifespan of the product. In addition, we provide software updates and training to ensure that users can take full advantage of the capabilities of our Desktop Raman Spectrometer.

Packing and Shipping:

Product Packaging:

Desktop Raman Spectrometer

Power cord

USB cable

User manual

Calibration certificate

Laptop

FAQ:

Q1: What is the brand name of the Desktop Raman Spectrometer?

A1: The brand name of the Desktop Raman Spectrometer is JINSP.

Q2: What is the model number of the Desktop Raman Spectrometer?

A2: The model number of the Desktop Raman Spectrometer is RS2100LABPro.

Q3: Does the Desktop Raman Spectrometer have any certifications?

A3: Yes, the Desktop Raman Spectrometer has CE and ISO9001 certifications.

Q4: What is the place of origin of the Desktop Raman Spectrometer?

A4: The place of origin of the Desktop Raman Spectrometer is China.

Q5: What is the minimum order quantity for the Desktop Raman Spectrometer?

A5: The minimum order quantity for the Desktop Raman Spectrometer is 1.

Q6: Is the price of the Desktop Raman Spectrometer negotiable?

A6: Yes, the price of the Desktop Raman Spectrometer is negotiable.

Q7: What are the payment terms for the Desktop Raman Spectrometer?

A7: The payment terms for the Desktop Raman Spectrometer are TT.

Q8: What is the delivery time for the Desktop Raman Spectrometer?

A8: The delivery time for the Desktop Raman Spectrometer is 60-80 working days.

Q9: What are the packaging details for the Desktop Raman Spectrometer?

A9: The packaging details for the Desktop Raman Spectrometer are customized packaging.



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