

Modbus Communication Benchtop Raman Spectrometer High Stability

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
- Output Data Format: Spc Standard Spectrum, Prn, Txt And Other Formats Are Optional
- Communication Protocols: Modbus
- Detection Accuracy: 0.01
- Highlight: **Benchtop Raman Spectrometer High Stability, Modbus Communication Benchtop Raman Spectrometer**
,
Modbus Communication raman spectroscopy equipment



More Images



Product Description

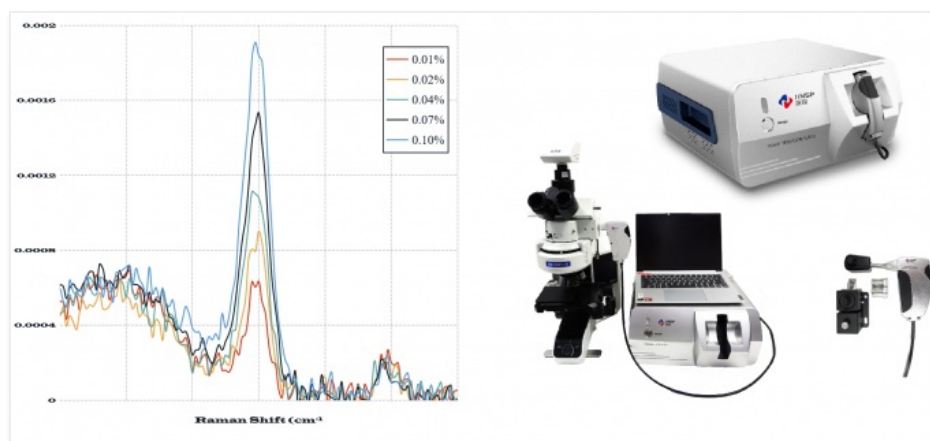
Modbus Communication Benchtop Raman Spectrometer High Stability

Key Specifications

| Attribute | Value |
|-------------------------|--|
| Laser Wavelength | 1064nm |
| Wavelength Accuracy | 0.2nm |
| Wavelength Stability | 0.01nm |
| Output Data Format | Spc Standard Spectrum, Prn, Txt And Other Formats Are Optional |
| Communication Protocols | Modbus |
| Detection Accuracy | 0.01 |

Advanced Desktop Raman Analyzer

This high-performance benchtop Raman spectrometer delivers precise analytical capabilities for pharmaceutical, materials science, and forensic applications. Its non-destructive analysis method makes it ideal for research, quality control, and process monitoring.



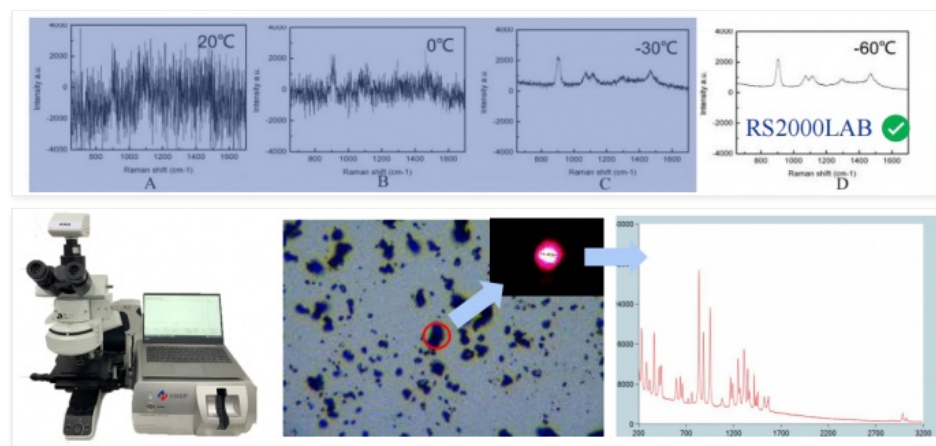
Core Features

- 1064nm High Sensitivity Raman Instrument
- Compact and Portable Design
- Easy-to-use software interface
- Real-time data acquisition and analysis
- Wide spectral range (150-3200 cm^{-1})
- High-quality optical components
- Multiple sampling options (10-1000 microns)
- High-resolution spectra ($<9 \text{ cm}^{-1}$)

Technical Parameters

| Product Attribute | Description |
|-------------------|-------------|
|-------------------|-------------|

| | |
|-----------------------|--|
| Product Name | Desktop Raman Analyzer |
| Product Type | Laboratory Raman Analytical device |
| Excitation Wavelength | 1064nm |
| Spectral Range | 150-3200 cm^{-1} |
| Resolution | $<9 \text{ cm}^{-1}$ |
| Detection | TE-cooled CCD detector |
| Sampling | Spot size adjustable from 10 to 1000 microns |
| Software | Included with multiple data analysis options |



Industry Applications

Chemical Analysis: Ideal for analyzing chemical compounds and identifying unknown substances in pharmaceutical, food, and environmental industries.

Materials Science: Perfect for analyzing polymers, ceramics, and metals in aerospace, automotive, and electronics applications.

Forensic Science: Reliable for identifying trace evidence like fibers, paint chips, and glass fragments in crime scene investigations.

Pharmaceuticals: Essential for drug compound analysis and quality assurance in R&D.

Academic Research: Powerful tool for material analysis in educational institutions.

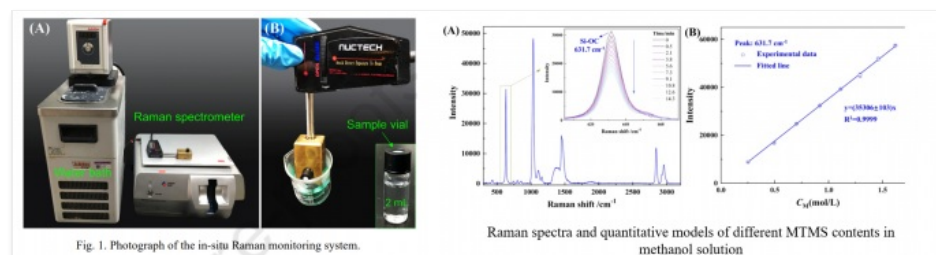
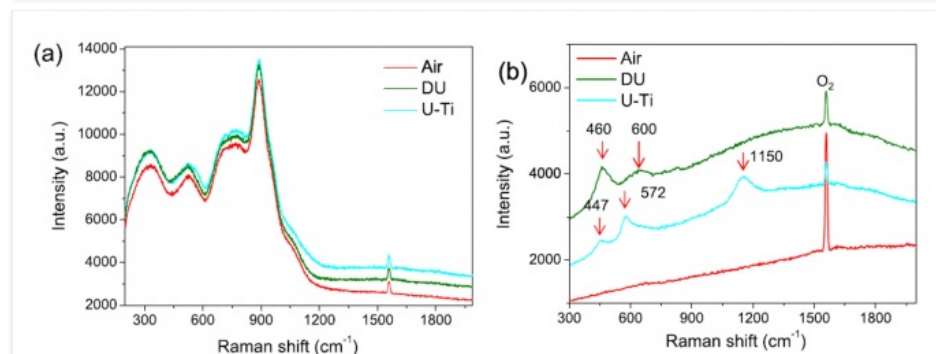
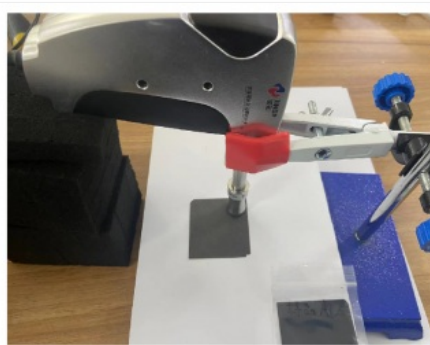
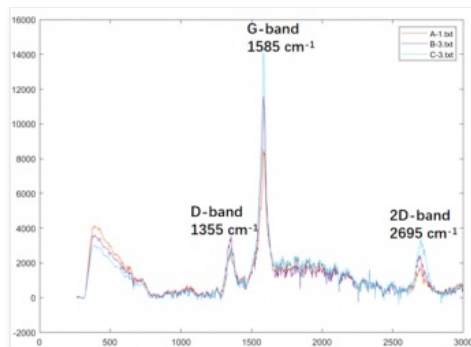


Fig. 1. Photograph of the in-situ Raman monitoring system.

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





Support & Services

- Installation and setup assistance
- Troubleshooting and maintenance support
- Training on instrument operation
- Repair and calibration services
- Software upgrades and enhancements
- Comprehensive technical documentation

Packaging & Shipping

The spectrometer is securely packed in a sturdy cardboard box with protective materials. We ship via reliable courier services with costs calculated based on destination and package weight.

Frequently Asked Questions

Q: What is the brand and model of this spectrometer?

A: JINSP RS2100LABPro

Q: Does this product have certifications?

A: Yes, CE and ISO9001 certified.

Q: What is the lead time for delivery?

A: 60-80 working days.

Q: Can packaging be customized?

A: Yes, packaging details can be customized per customer requirements.



JINSP Company Ltd.



8618620854039



phoebeyu@jinsptech.com



spectralanalyser.com

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