

RS2600 Multi-Gas Analyzer – Optimize Safety & Efficiency in Gas Processing

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: JINSP
- Certification: CE ISO9001
- Model Number: RS2600
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: International Shipping Package
- Delivery Time: 90-120 working days
- Payment Terms: T/T, Western Union
- Supply Ability: 100 Unit 90-120 days



Product Specification

- Model Name: RS2600 Multi-gas Analyzer
- Laser Excitation Wavelength: $532 \pm 0.5\text{nm}$
- Spectral Coverage: $200 \sim 4200 \text{ Cm}^{-1}$
- Analysis Time: 2 Seconds
- Detection Limit: Ppm Level
- Measurement Time: Real-time
- Highlight: **RS2600 Raman gas analyzer, real-time multi-gas analyzer, Raman spectroscopy gas detector**



More Images



Product Description

RS2600 Multi-Gas Analyzer – Optimize Safety & Efficiency in Gas Processing

From natural gas to fluorine chemicals, the JINSP RS2600 ensures precise, simultaneous monitoring of critical gases like H_2S , HCl , and C_3H_8 via Raman spectroscopy.

Advantages:

All-in-one: Replace multiple sensors with a single device.

No consumables: Low maintenance, high uptime.

Trace detection: Identify leaks or impurities at ppm levels.

Industries Served: Petrochemical refineries, steel plants, and specialty gas manufacturers.

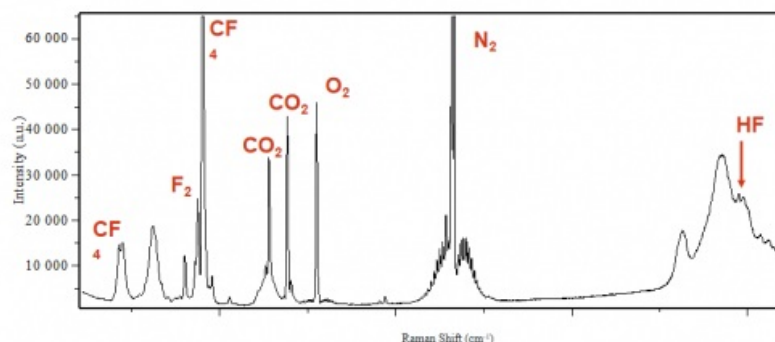
Technical Specifications:

Components	N_2 , H_2 , O_2 , CO , CO_2 , H_2S , C_mH_n , etc.
Analysis time	2 seconds
Measurement uncertainty	$\leq 0.2\%$
Laser excitation wavelength	532 ± 0.5 nm
Spectral coverage	200 ~ 4200 cm^{-1}
Spectral resolution	≤ 8 cm^{-1} at full spectral range
Air circuit interface	6 mm standard tube fitting (3 mm, 1/8", and 1/4" are optional)
Input voltage	100~240 VAC, 50~60 Hz
Sample gas temperature	-50 ~ 40 $^{\circ}C$
Sample gas pressure	1.0 MPa
Unit dimensions	485 mm (Width) \times 350 mm (Height) \times 600 mm (Depth)
Weight	40 kg

Application: 1. Monitoring of F_2 , N_2 , HF and other components in the fluorination process.

Monitoring of F_2 , N_2 , HF and other components in the fluorination process

component	content
F_2	2%
N_2	79%
HF	0.2%
CO_2	3%
CO	0.0%
O_2	3%
CF_4	10%

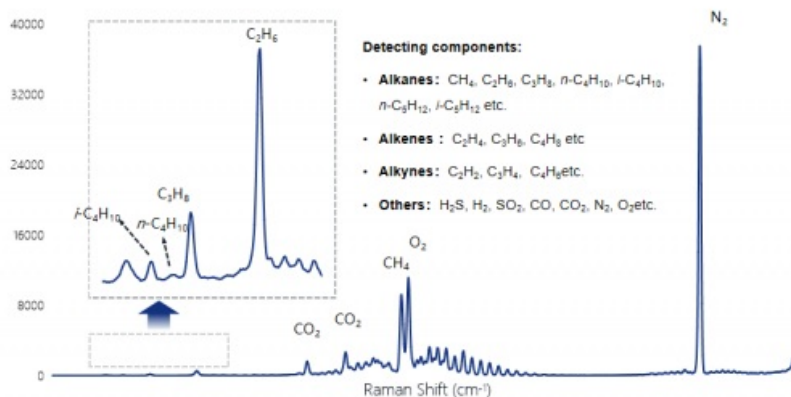


Application: 2. Quantitative analysis of different Elements in Petrochemical Natural Gas

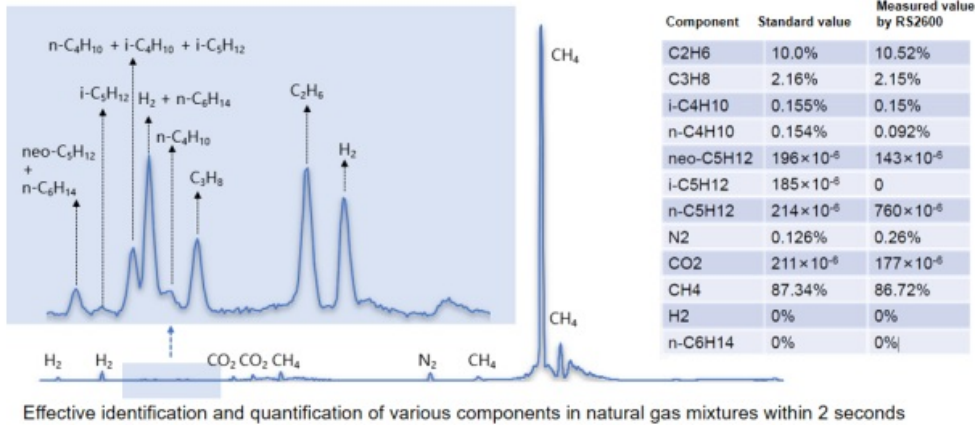
Effective identification and quantification of various components in natural gas mixtures within 2 seconds, such as alkanes, alkenes, alkynes, etc.

Quantitative analysis of different Elements in Petrochemical Natural Gas

component	content
N_2	26.66%
O_2	6.36%
CO_2	1.13%
CH_4	65.26%
C_2H_6	0.54%
C_3H_8	170 ppm
$n-C_4H_{10}$	160 ppm
$i-C_4H_{10}$	160 ppm

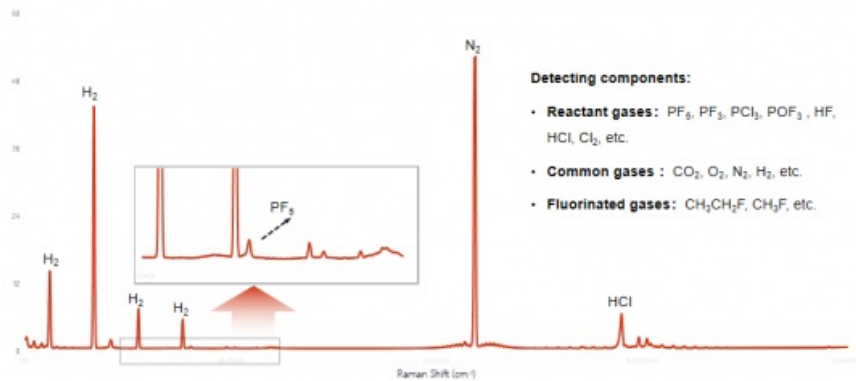


Quantitative analysis of different Elements in Petrochemical Natural Gas



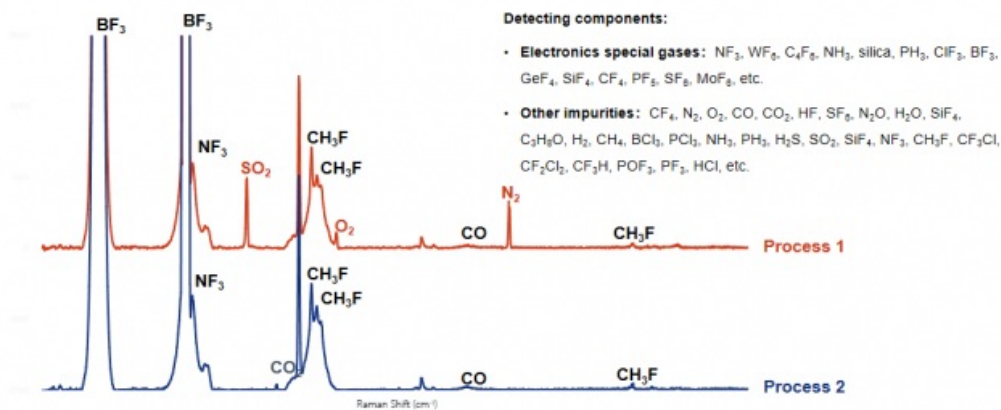
Application: 3. Detection of components in reaction and emitted gases of fluorine materials, such as reactant gases, common gases, fluinated gases.

Detection of components in reaction and emitted gases of fluorine materials



Application: 4. Detection of impurity gases and electronic special gases.

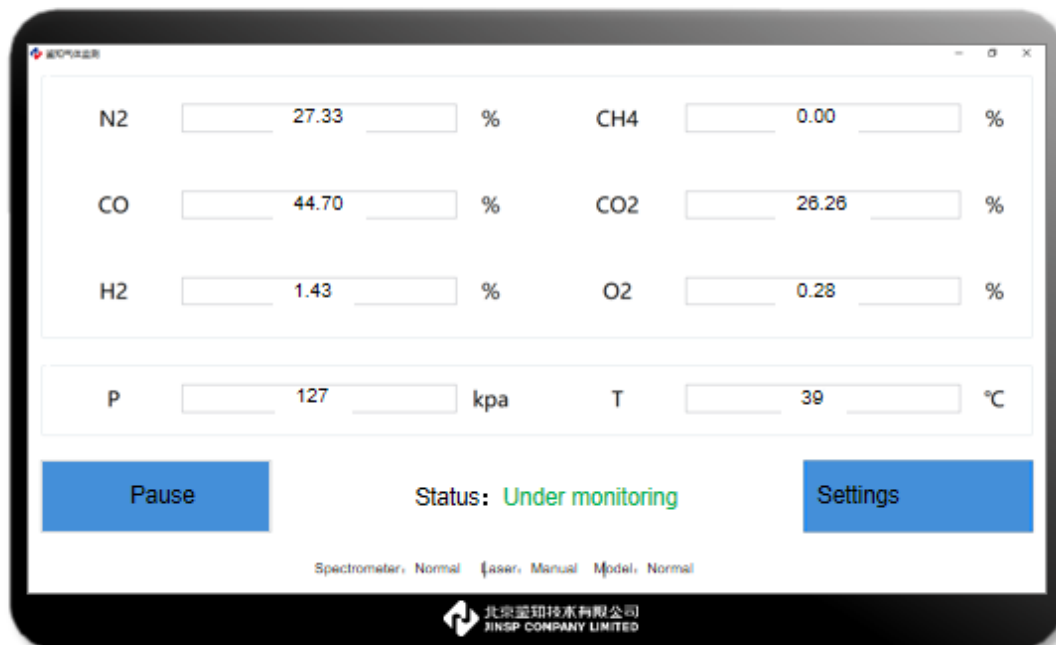
Detection of Impurity Gases in Electronic Special Gases



Gas Analyzer Features:

Transform complex sample analysis with our innovative approach combining quantitative modeling and chemometrics. Seamlessly correlate spectral data with substance content across multiple components—all with exceptional accuracy.

Built for real-world challenges, our solution thrives under variable conditions. Sample pressure changes? Testing environment instabilities? No problem. With industry-leading robustness, we ensure your results stay precise, providing trustworthy insights for critical decisions. Discover the future of quantitative analysis today.



Company Introduction:

JINSP Company Limited, abbreviated as "JINSP", is a professional supplier with over 17 years of experience in spectral detection technology products, including Raman, FT-IR, LIBS technologies, etc. After 17 years of technology accumulation, the company's core key technologies have reached the international leading position at the level, and the cumulative number of patent applications exceeded 200.

JINSP offers over twenty spectroscopic products across various fields, including pharmaceutical and chemical industries, public security, and customs. Products are available nationwide and are exported to over 30 countries, with cumulative sales exceeding 3,000 units.

Benefit from 30+ R&D engineers, including 4 Ph.D., JINSP is deeply rooted in the field of personalized product customization, and is committed to meeting the diverse and unique needs of customers with excellent professional technology and innovative design capabilities.

Company Profile



Exhibition



Certifications



FAQ:

Q: This is the first time I use, is it easy to operate?

A: We will send you manual and guide video in English, it can teach you how to operate the spectrometer. Also our technicians will offer professional technical operation meetings.

Q: Can you offer a operation training?

A: Your technicians can come to our factory for a training. Jinsp technical engineers can go to your place for local support. (installation, training, debugging, maintenance)

Q: How to receive a best price in the shortest time?

A: When you send us an inquiry, please kindly offer details with wavelength, detector, effective pixels, focal length and so on. We will send you quotation with details soon to your email.

Q: Do you have MOQ requirement of each order?

A: No, we support order for even 1pc order.

Q: What is the product warranty?

A: All product has 1 year warranty, support extending warranty period with extra cost. Please contact with our sales person.



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