RS2600 Multi Gas Analyzer The Perfect Choice for Metallurgical Industry N2 Analysis

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: JINSP
- Certification: CE ISO9001
- Model Number: RS2600
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Customized Packaging
- Delivery Time: 90-120 working days
- Payment Terms: T/T, Western Union
- Supply Ability: 5PCS/90-120 days

Product Specification

- Laser Excitation Wavelength: 532 ± 0.5 Nm
- Spectral Coverage: 200 ~ 4200 Cm-1
- Analysis Time: 2 Seconds
- Weight: 40 Kg
- Model Name: RS2600 Multi-gas Analyzer
- Metallurgical Industry: N2, H2, O2, CO2, CO, Etc.
- Highlight: **Metallurgical Industry Multi Gas Analyzer**, **N2 Multi Gas Analyzer**

Product Description

RS2600 Multi-gas Analyzer

JINSP® RS2600 multi-gas analyzer is based on Raman spectroscopy and can detect all gases except noble gases,enabling simultaneous online analysis of multiple gases.

It is able to detect the following multiple gaseswith a detection range from ppm to 100%:

*** Petrochemical industry: alkane, alkene and alkyne gases such as CH4, C2H6, C3H8, C2H4, etc.**

*** Fluorine chemical industry: corrosive gases such as F2, BF3, PF5, Cl2, HCl, HF, etc.**

*** Metallurgical industry: N2, H2, O2, CO2, CO, etc.**

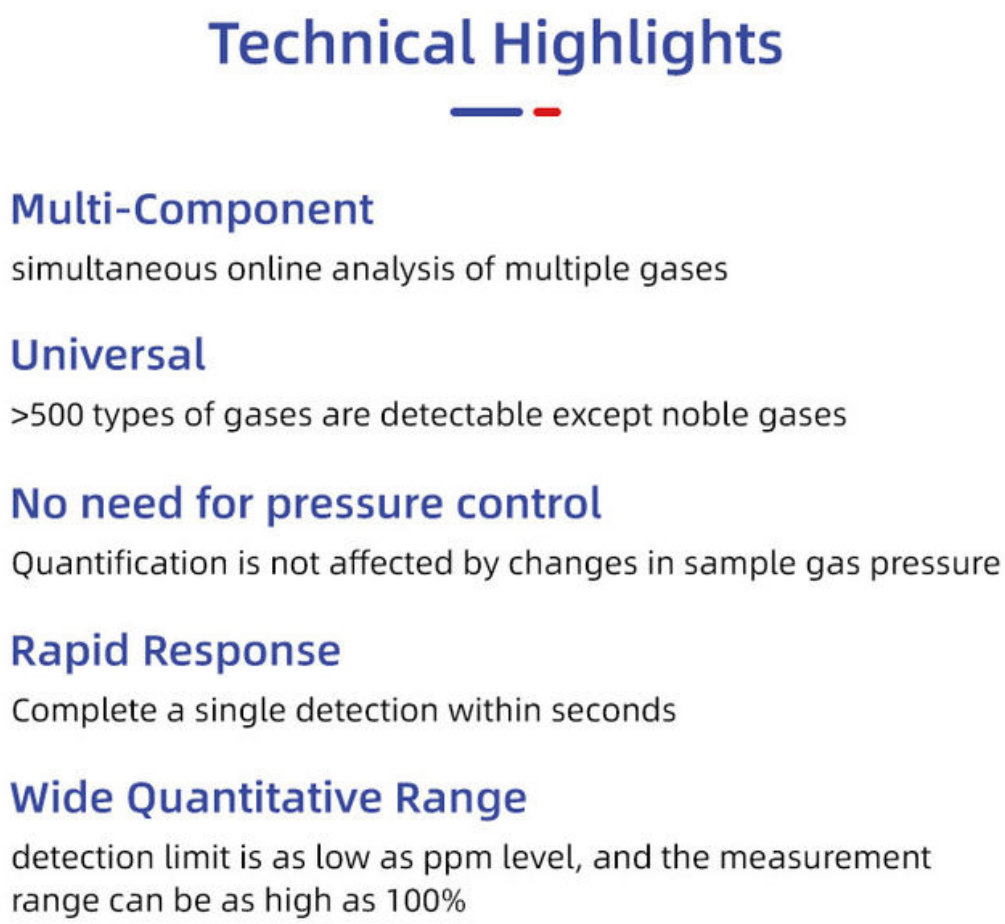
Specifications:

Components	N2, H2, O2, CO, CO2, H2S, CmHn, etc.
Analysis time	2 seconds

Measurement uncertainty	≤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 ºC
Sample gas pressure	1.0 MPa
Unit dimensions	485 mm (Width) × 350 mm (Height) × 600 mm (Depth)
Weight	40 kg

Technical Highlights

* Non-destructive gas analysis: Analytes including homonuclear diatomic gases(F2, Cl2, etc.) and isotopic gases (H2, D2, T2, etc.)
* Short detection time: Data acquired in seconds
* Minimal maintenance: Resistance to high pressure, direct detection without consumables (chromatographic column or carrier gas)
* Wide detection range: LOD at ppm level, detection range up to 100%



Field of Applications:

Field Of Application

Natural gas industry

Fluorine chemical industry

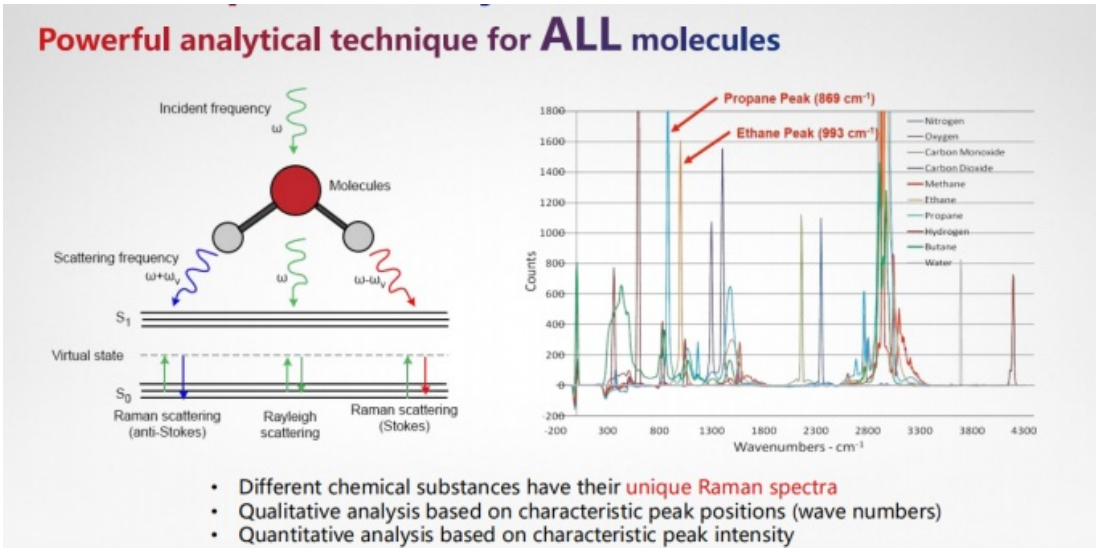
Metallurgical industry

Electronic special gas

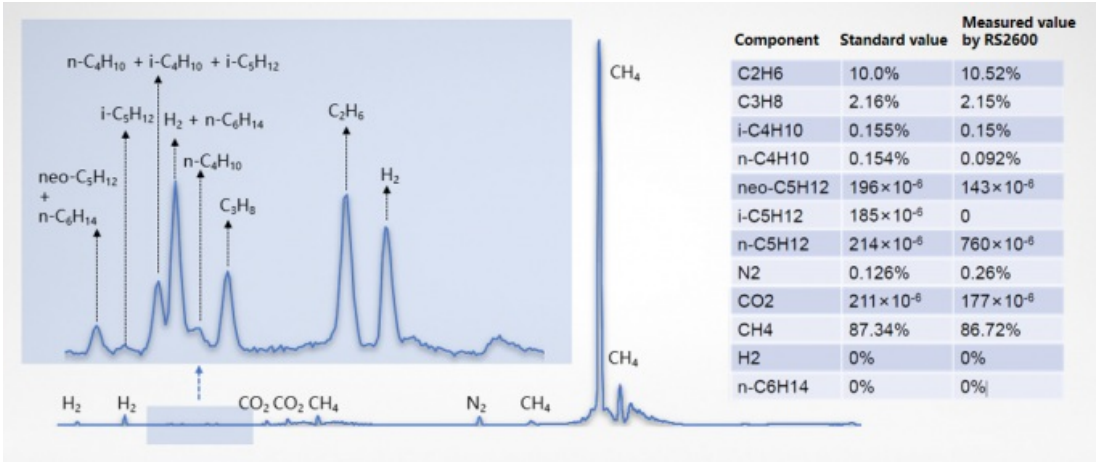
Coal chemical industry

Pharmaceutical chemical industry

Application: 1. Monitoring of F2, N2, HF and other components in the fluorination process



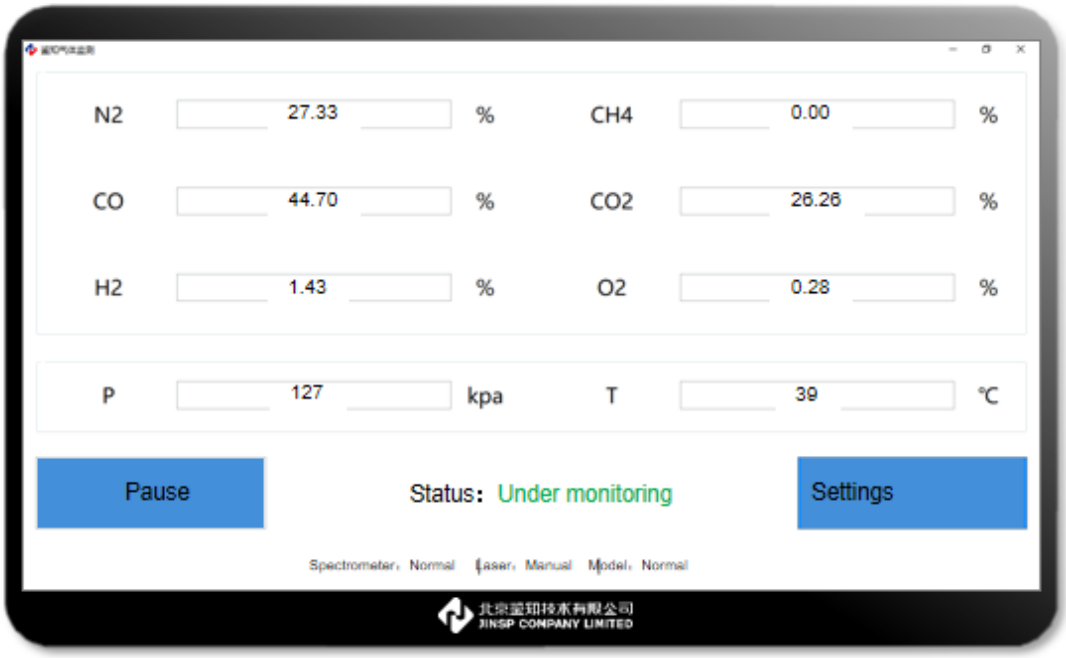
Application: 2. Quantitative analysis of different Elements in Petrochemical Natural Gas
Effective identification and quantification of various components in natural gas mixtures within 2 seconds



Component	Standard value	Measured value by RS2600
C2H6	10.0%	10.52%
C3H8	2.16%	2.15%
i-C4H10	0.155%	0.15%
n-C4H10	0.154%	0.092%
neo-C5H12	196×10^{-6}	143×10^{-6}
i-C5H12	185×10^{-6}	0
n-C5H12	214×10^{-6}	760×10^{-6}
N2	0.126%	0.26%
CO2	211×10^{-6}	177×10^{-6}
CH4	87.34%	86.72%
H2	0%	0%
n-C6H14	0%	0%

Gas Analyzer Features

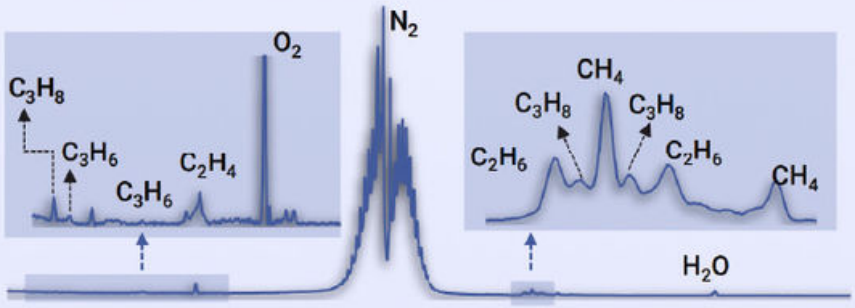
1.Quantitative model of multiple standard curves,combined with the chemometric method, establishes the relationship between the spectral signal and the content of multi-component substances.
2.Changes in sample gas pressure and test conditions do not affect the accuracy of quantitative results.



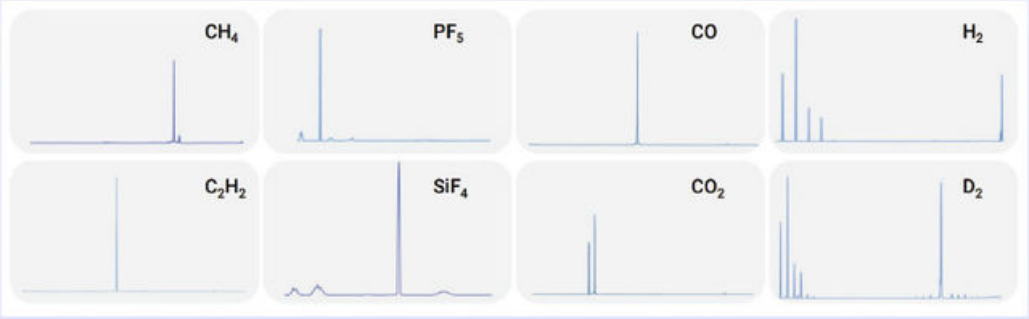
Typical Spectra

Gas Mixture Analysis

Component	Concentration (ppm)
CH_4	50
C_2H_6	30
C_3H_8	40
C_2H_4	15
C_3H_6	20



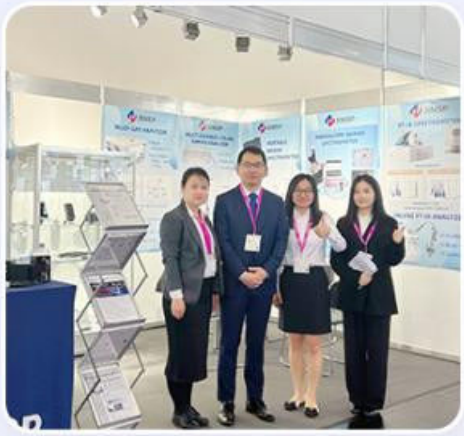
Standard Gas Spectra



JINSP Company Limited has won the National Science and Technology Commission's Scientific and Technological Achievement Appraisal Certificate and the China Patent Excellence Award, and related products have been obtained has won authoritative awards such as the Geneva International Invention Award, the Beijing New Technology and New Product Certificate, and the "Innovation Achievement Award" of the Zhu Liangyi Analytical Instrument Innovation Award.In addition, JINSP participated in the drafting of several national and international standards, including participating in the drafting of an international standard as the only participating unit in China IEC 63085 International Standard: System of spectral identification of liquids in transparent or semitransparent containers; Drafting of two national standards: GB/T 41086-2021 "General Technical Requirements for Safety Inspection Equipment for Hazardous Chemicals Based on Raman Spectroscopy", GB/T 40219-2021 "General Specification for Raman Spectrometer".

Company Profile

Exhibition



Certifications

FAQ

Q1:This is the first time I use,is it easy to operate?

A1:We will send you manual and guide vedio in English,it can teach you how to operate the spectrometer.Also our technicians will offer professional tecnical opearation meetings.

Q2:Can you offer a operation training?

A2: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)

Q3:How to receive a best price in the shortest time?

A3: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.

Q4:If the spectrometer has problem in my place,how could I do?

A4:The spectrometer has one year warranty.If it breaks down,our technician will figure out what the problem maybe,according to client's feedback.We can repair for free within one year warranty.

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