

IT2000 Desktop FTIR Spectrometer Rapid and Precise Identification of Unknown Materials

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: JINSP
- Certification: CE ISO9001
- Model Number: IT2000
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Customized Packaging
- Delivery Time: 90-120 working days
- Payment Terms: T/T
- Supply Ability: 10PCS/90-120 days



Product Specification

- Spectral Range: 5000-500 cm^{-1}
- Spectral Resolution: 2 cm^{-1}
- Screen: 10.5-inch Capacitive Touch Screen Displays Results Clearly
- Detector: DLaTGS
- Power Supply: 100-240 VAC, 50/60 Hz
- Data Processing: Quantitative Analysis
- Highlight: **Desktop FTIR Spectrometer, Precise Desktop FTIR Spectrometer, Rapid Desktop FTIR Spectrometer**



Product Description

IT2000 Fourier transform infrared spectrometer

JINSP® IT2000 harnesses the power of Fourier Transform Infrared Spectroscopy (FT-IR) technology, integrating it with intelligent algorithms and a comprehensive spectral library. This advanced combination allows for rapid and precise identification of unknown substances as well as the quantitative analysis of various components within mixtures. The instrument's design incorporates permanently aligned solid-angle mirrors, which work in tandem with a high-performance Deuterated L-Alanine doped Tri-Glycine Sulfate (DLATGS) detector. This synergy ensures the production of high-quality data, which is crucial for accurate analysis. Consequently, JINSP® IT2000 is not only efficient for identifying unknown materials but also proves to be an invaluable tool for quantitative analysis of mixtures. Its reliability and precision make it an ideal choice for applications in fundamental education and cutting-edge research fields, where the generation of high-quality data is paramount.



The IT2000 model is equipped with an advanced integrated touchscreen computer, which boasts a robust and durable design that ensures easy mobility and portability. This feature-rich device is engineered to withstand the rigors of daily use, making it an ideal choice for a wide range of environments. The operation of the IT2000 is straightforward and user-friendly, allowing even those with minimal technical expertise to navigate its functions with ease.

What sets the IT2000 apart is its intelligent operating software, which is specifically designed to enhance efficiency and productivity. This software is intuitive, providing users with a seamless experience that simplifies complex tasks. Whether you're conducting basic scientific research or performing quality control assessments, the IT2000 is equipped to handle a variety of applications with precision and accuracy.

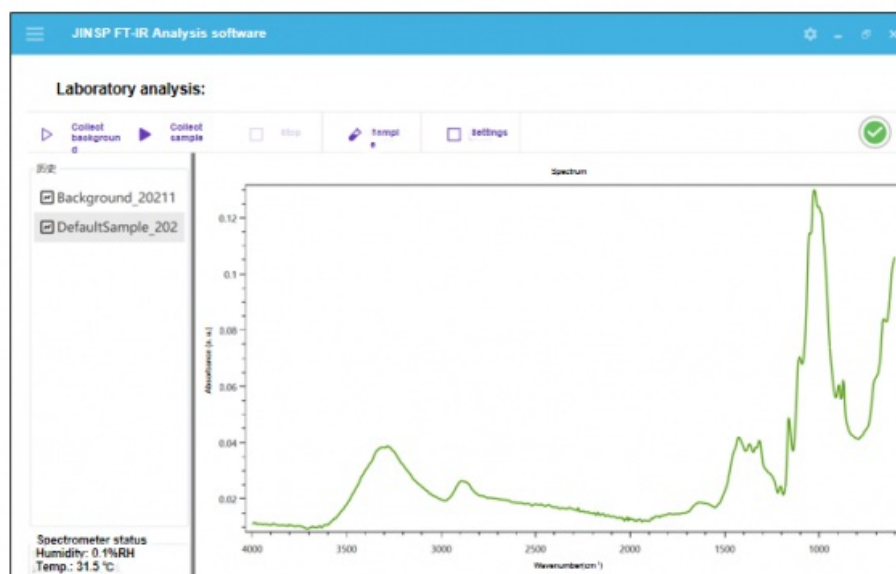
The combination of its powerful hardware and smart software makes the IT2000 a versatile tool for professionals who demand reliability and performance. Its sleek, modern design not only adds to its aesthetic appeal but also ensures that it fits seamlessly into any laboratory or industrial setting. With the IT2000, users can expect a reliable, efficient, and user-friendly solution that meets the demands of their scientific and quality control needs.

Technical highlights

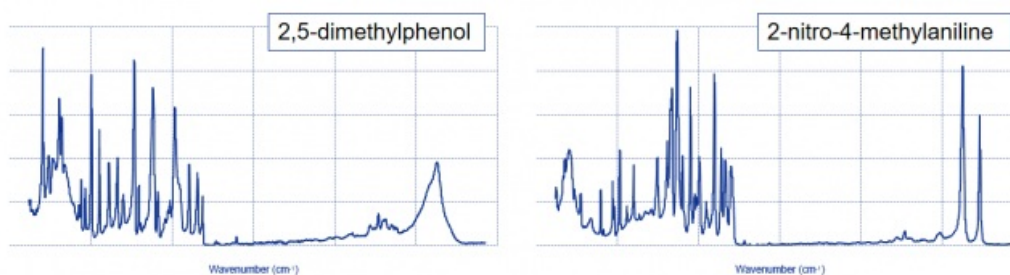
- High resolution up to 2 cm^{-1} , providing more accurate substance information and precise detection results.
- Wide spectral range, reaching 500 cm^{-1} in the low wavenumber range, offering richer substance information.
- High intelligence, automatically analyzing complex mixtures. Smooth touchscreen operation with an intuitive software

interface.

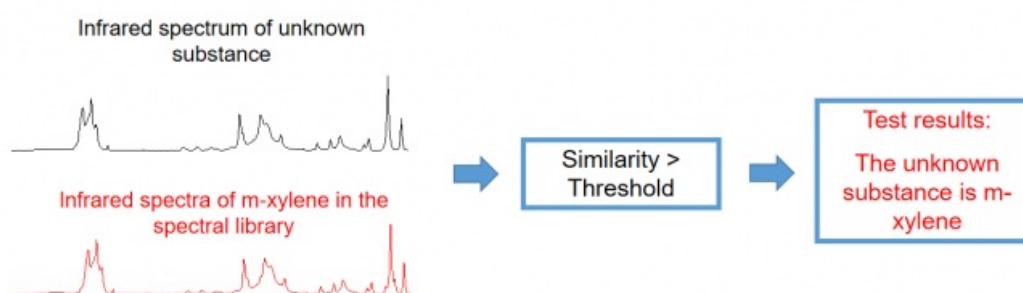
- Simple operation, capable of directly detecting solid, powder, and liquid samples without the need for sample preparation.
- Multiple networking options for timely backup of detection results.



Typical Applications

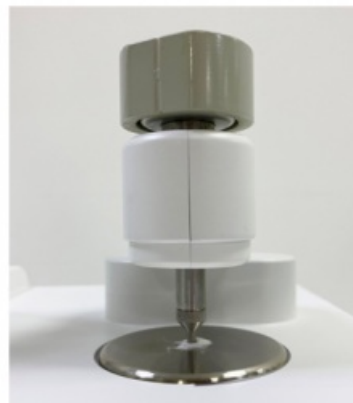


- Research Applications: Qualitative analysis of compounds and molecular structures, such as ethanol, 2,5-dimethylphenol, 2-nitro-4-methylaniline, etc.
- Pharmaceutical Quality Control: Authentication and detection of adulteration in traditional Chinese medicinal materials, such as Codonopsis and Adenosmae, Astragalus and Sophora root, Angelica and European Angelica, etc.



- Criminal Investigation: Component detection of drugs and explosives, such as TNT, etc.
- Jewelry and Gemstones: Internal structure inspection of jewelry and gemstones, to identify authenticity, such as distinguishing between nephrite and Hetian jade.
- Petrochemical Industry: Analysis of oil properties, such as analysis of changes in various components in lubricating oil.

Usage/ application



Company Profile



Certifications



FAQ:

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

A1: We will send you a manual and guide video in English, it can teach you how to operate the spectrometer. Also, our technicians will offer professional technical operation meetings.

Q2: Can you offer an operation training?

A2: Your technicians can come to our factory for training. Jinsp engineers can go to your place for local support (installation, training, debugging, maintenance).

Q3: How to receive the 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 a quotation with details soon to your email.

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

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

Q5: What about quality assurance?

A5: We have a quality inspection team. All goods will go through quality inspection before shipment. We can send you pictures for inspection.



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