

JINSP IT2000CE Online FTIR Analyzer Real-time Chemical Reaction Measurement

Our Product Introduction

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Basic Information

- Place of Origin: CHINA
- Brand Name: JINSP
- Certification: CE
- Model Number: IT2000CE
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Carton Packing
- Delivery Time: 50-90 WORKING DAYS
- Payment Terms: L/C
- Supply Ability: 10 PCS/70-90DAYS



Product Specification

- Spectral Range: 500 ~ 5000 Cm-1
- Resolution: 2 Cm-1, 4 Cm-1, Or 8 Cm-1
- Sample Suitability: Strong Acid/alkali And Strong Corrosive Liquid Samples Can Be Analyzed
- Display Screen: 10.5 Inch Capacitive Touchscreen, Supporting Multi-point Touch And Multi-angle Folding
- Operating Temperature: 10 - 40°C
- Certifications: CE ISO9001
- Highlight: **Chemical Reaction Measurement Online FTIR Analyzer**
, Real-time Online FTIR Analyzer

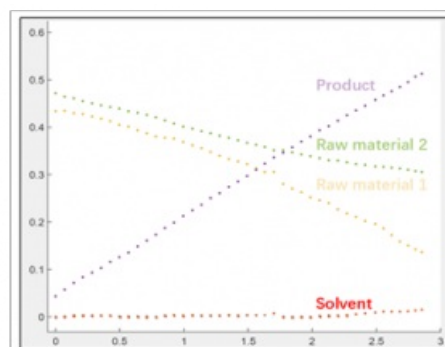
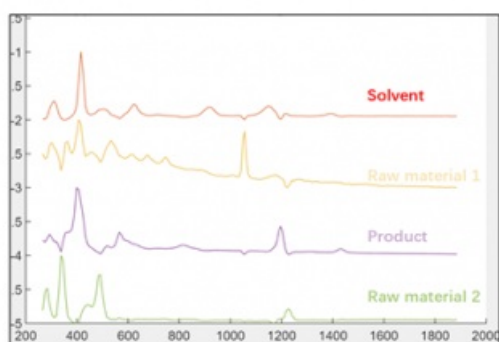
Product Description



The JINSP® IT2000CE online FT-IR analyzer is specifically designed for the purpose of in situ monitoring of chemical reactions as they occur. This advanced analytical instrument is capable of continuously and swiftly measuring the concentrations of reactants, residues, products, intermediates, and impurities present within the reaction system. By doing so, it enables researchers and operators to gain real-time insights into the progression of the chemical reaction. With the IT2000CE, it becomes feasible to predict various critical parameters such as the reaction rate, the point at which the reaction should be terminated, the conversion rate, and even potential reaction incidents that may occur. This real-time monitoring capability ensures a more controlled and efficient chemical reaction process, ultimately leading to improved product quality and process optimization.

Technical Highlights

- Highly applicable;
- Fast: Data acquired in seconds
- Intuitive: Real-time display of the dynamic change of reactants and products
- Multi-functional: Simultaneous measurement of the concentrations of multiple components
- Intelligent: Automatic analysis of FT-IR spectra based on intelligent algorithm



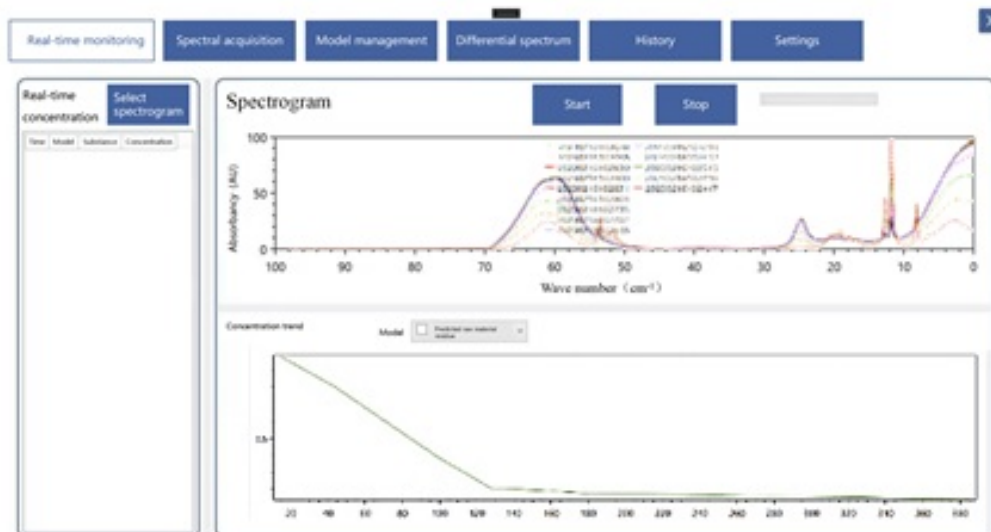
- Real-time analysis while collecting data

Multiple absorption peaks of target components can be marked while IR spectra being collected.

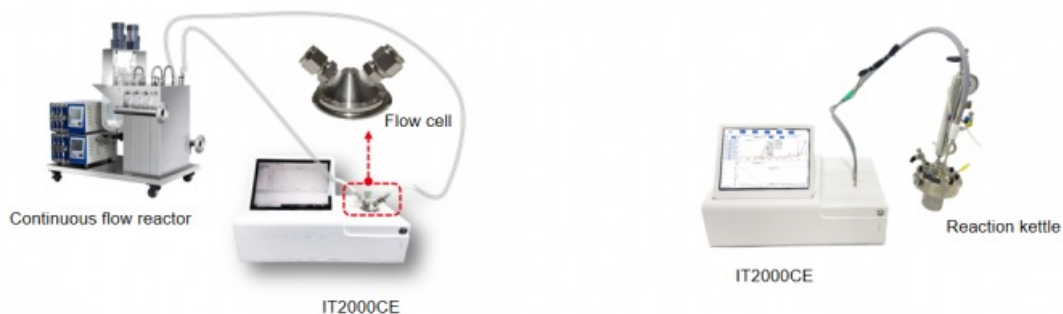
The change of the marked components is displayed in real time.

- **Flexible platform for online monitoring**

The embedded quantification model can be used to monitor component concentration in chemical reactions in real time.



The IT2000CE model is equipped with the capability to establish a bypass connection directly to the flow cell that is integrated within the continuous flow reactor, thereby facilitating the process of online monitoring. This feature makes it particularly well-suited for applications involving continuous flow or tubular reactors. Additionally, the IT2000CE can utilize an immersion probe designed to penetrate deeply into the liquid surface of the reaction system. This allows for precise monitoring of each individual reaction component, rendering it an even more appropriate choice for kettle batch reactors.



Company Profile



Certifications



FAQ

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

A1: 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.

Q2:Can you offer a operation training?

A2:Your technicians can come to our factory for a training. Jinsp 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.

Q5:Which payment can be acceptable ?

A5:We could accept the payment by T/T, Paypal, Western Union,L/C, etc.



JINSP

JINSP Company Ltd.



8618620854039



phoebeyu@jinsptech.com



spectralanalyser.com

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