



## CEMS SO2 O2 Continuous Emission Monitoring 220V AC IP42 Customizable

### Our Product Introduction

#### Basic Information

- Place of Origin: Jiangsu, China
- Brand Name: Kelisaike
- Model Number: KF300, KF-100
- Minimum Order Quantity: 1PC
- Price: \$7,999.00 - \$99,999.00/sets
- Packaging Details: Carton Packing
- Stock: 1PC
- Supply Ability: 500 Set/Sets per Month



#### Product Specification

- Warranty: 1 Year
- Type: KF300
- Customized Support: OEM
- Usage: Continuous Flue Emissions Monitoring
- Detecting Gas: SO2, NOx, O2
- Ambient Temperature: 5 ~+45
- Power Supply: 220V AC/50Hz 100W
- Analog Interface: 3-way 4 - 20 MA Output, 2-way 4 -20 MA Output
- Data Interface: 4-way Switch Input; 8-way Relay Output
- Communication Interface: 1-way RS-232, 1-way RS-485(supports Modbus Protocol)
- Protection Grade: IP42
- Port: Nanjing
- Highlight: Customizable Continuous Emission Monitoring, 220V AC Continuous Emission Monitoring,



#### More Images



### Product Description

## CEMS for Continuous Monitoring Emissions of SO<sub>2</sub> NO<sub>x</sub> O<sub>2</sub> to Conform to Environmental Regulations

The **KF300 CEMS** is composed of sub-systems, including gaseous pollutants (SO<sub>2</sub>, NO<sub>x</sub>, O<sub>2</sub>, HCl, HF, etc.) monitoring sub-system, particulate pollutant (flue dust) monitoring sub-system, flue gas environmental parameters (temperature, pressure, flow rate, humidity) monitoring sub-system and data acquisition and processing sub-system.

The system has such functions as real-time data transmission, report statistics and graphic data analysis, realizing an unattended operation at the worksite. The whole system has a simple structure, strong real-time capability, flexible networking performance, and low operation cost. The system adopts the modular structure, easy to assemble and able to realize data communication with enterprise's internal DCS and environment departments.

### Product Description



#### Key Features

1. In-situ mounting, no gas sampling
2. No cross interference
3. Fast response less than 7s
4. Diverse optical path length (0.5 - 20 m)
5. Reliable in all harsh conditions: high temperature & pressure, dust density, moisture and corrosion
6. Online calibration, no zero drift
7. Tailored solutions for various applications



The core component of the **KF300 CEMS** is the **KF100 Analyzer**, which is developed based on the UV absorption spectroscopy technology and chemometric algorithms, and can be used to measure the concentration of SO<sub>2</sub>, NO<sub>x</sub>, O<sub>2</sub>, NH<sub>3</sub>, Cl<sub>2</sub>, O<sub>3</sub>, H<sub>2</sub>S and other gases. With high accuracy, high reliability, fast response, and wide applicability, it is used in online environmental monitoring, industrial control, security monitoring and other occasions. The performance indicators of the KF100 series have reached or exceeded those of other domestic and foreign competing products.

#### Technical Features:

- The analyzer gets the UV absorption spectrum from the following optical technology platform that consists of a light source, a gas chamber, fiber optics, a spectrometer (including a diaphragm, holographic gratings, and a linear array detector) and other optical components.
- The UV-visible light emitted from the light source enters into the gas chamber through the optical window, where it is absorbed by the sample gas flowing through the gas chamber. Then the light carrying the absorption information of the tested sample gas is converged by a lens and coupled into the optical fiber. After the light is transmitted into the spectrometer through the optical fiber for light splitting and sampling, the absorption spectrum of the gas can be obtained.
- By using the DOAS technology to analyze the spectrum, the concentration of relevant contents in the gas can be analyzed.

#### Project Indicators

#### Technical Specifications:

Project	Indicators
SO <sub>2</sub> Detection range	Min: 0 - 20 ppm, Max: 0 - 100%,
NO Detection range	Min: 0 - 20 ppm, Max: 0 - 100%,
O <sub>2</sub> Detection range	0 - 25%, Electrochemical or zirconia
Linearity error	≤±1% F.S.
Repeatability	≤ 1%
Zero drift	≤±1% F.S./ week
Span drift	≤±1% F.S./week
Ambient temperature	5°C ~ 45°C
Response time (T90)	< 10 s
Size	19" x 3U x 320 mm
Analog interface	3-way 4-20 mA output, 2-way 4-20 mA output
Data interface	4-way switch input; 8-way relay output
Communication Interface	1-way RS-232, 1-way RS-485(supports Modbus protocol)
Power	220 V AC/50 Hz 100 W
Protection grade	IP42
Sample gas input and output interface	Ø6 Tube Fittings

## Company Profile

Nanjing KELISAIKE Safety Equipment Co., Ltd. is one of the largest safety equipment manufacturers in mainland China, possessing the most complete product range and specifications in the safety equipment industry. Founded in 2004, Nanjing KELISAIKE has three subsidiaries in Beijing, Xi'an and Xinjiang province, and over 30 domestic sales service centers.

Standard products include the K60 series portable single gas detectors, K60-IV series multi gas detectors, K800 series fixed gas transmitters, K500 series wall-mounted gas detectors, K1000 series gas detector control panel units, KL99 series air breathing apparatuses, etc. Nanjing KELISAIKE is also a factory with rich experience in OEM service, providing professional design and manufacturing of customized products. The company's products are widely used in fields of petroleum, chemical, gas transmission and distribution, warehousing, municipal gas supply, fire fighting, environmental protection, metallurgy, pharmacy, energy and power industry.

As a leading enterprise in technology innovation, Nanjing KELISAIKE is committed to developing core competencies by continuous technology research. The company has a team of professional and technical talents, including more than 10 senior technicians and masters, who master quite many core technologies.

Nanjing KELISAIKE has passed ISO 9001 International Quality System Certification. With the guidance and tools of the standard, Nanjing KELISAIKE cannot only ensure that all the company's products and services consistently meet customer's requirements, but also that the quality of the products and services will be consistently improved.



## THE FACTORY

Nanjing KELISAIKE has passed IS9001 International Quality System Certification, which ensures all products' excellent performance and competitive prices.



## Our Services

### Our Services:

1. For all our products, we offer a 1 year warranty and life-long maintenance.
2. All inquiries will be replied in 24 hours.
3. We will provide technical support; our engineers will help to solve the problems you met.
4. We can provide OEM and ODM service.

5. Our factory is located in Nanjing city, welcome to visit our factory.

6. All products will be fully checked and well packed before shipment, and qualification certificate will be provided.

### Why should you choose KELISAIKE?

1. Mutual benefits: We are a manufacturer, so we can offer products of the same quality at the best prices.
2. Professional engineers: We have seasoned engineers with over 10 years' experience in gas detection field. With various hi-tech equipment, we make products with higher accuracy and stability.
3. Customization: Thanks to our strong R&D team, we can customize our products at your request.
4. Free OEM service: a) Silk-print your Logo ( $\geq 100$  PCS). b) Design your colour box packing ( $\geq 200$  PCS).
5. Mixed order: We accept mixed orders, with different models and small quantity orders.
6. After service: (a) 1 Year warranty. (b) If you found any of our products of inferior-quality, we will send you new ones to replace them for free in the next order after verification.

### FAQs:

Q: Can I order one piece as a sample to test the quality?

A: Yes, we recommend ordering sample for quality check before large quantity order.

Q: May I have your catalogue and price list for trial order in MOQ quantity?

A: All our products are shown on Alibaba.com; please have a detailed look and choose the interested models in the website. Or you can send email to us directly for more product information.

Q: If I order a large quantity, what's the best price?

A: Please send the detailed enquiry to us, including item model number, quantity for each item, quality requirement, Logo and payment terms, shipping method, discharge place, etc. We will make an accurate quotation to you at the earliest time.

### » Our Exhibition



Title goes here.

Semi-Automatic PET Bottle Blowing Machine Bottle Making Machine Bottle Moulding Machine PET Bottle Making Machine is suitable for producing PET plastic containers and bottles in all shapes.



Nanjing Kelisaike Safety Equipment Co., Ltd.

📞 +86 25 8719 3262

✉️ manager@njklsk.cn

🌐 multi-gasdetection.com

Bldg 12, 2 Qingshuiting West Road, Nanjing, Jiangsu, China, 211102