

KF100 Series UV-DOAS Flue Gas Analyzer for Continuous Emission Monitoring

Our Product Introduction

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Basic Information

- Minimum Order Quantity: MOQ 1set
- Price: USD 9000
- Stock: 100pcs in stock
- Shipping Method: Express
- Description: The analyzer based on UV absorption spectroscopy and chemometric algorithms to measure SO₂, NO_x, O₂, NH₃, Cl₂, O₃, H₂S
- Payment Terms: T/T



Product Specification

- Product Name: Online Gas Analyzer
- Technical Principle: UV Method
- Installation Type: Hot-wet Extractive
- Measurement Range: 0~200ppm, 0~1000ppm, 0~3000ppm
- Zero Drift: $\leq \pm 2$ F.S./ Week
- Span Drift: $\leq \pm 2$ F.S./week
- Highlight: UV-DOAS flue gas analyzer, continuous emission monitoring analyzer, KF100 series gas analyzer



More Images



Product Description

KF100 series Flue Gas Ultraviolet Analyzer



The analyzer based on UV absorption spectroscopy and chemometric algorithms to measure SO₂, NO_x, O₂, NH₃, Cl₂, O₃, H₂S and other gases concentration, with high accuracy, high reliability, fast response time, wide application and other characteristics, the indicators have reached or exceeded similar products, it can be widely used in environmental online monitoring, industrial control, security monitoring and other occasions.

>>>Key Features

Full spectrum measurement and DOAS (Differential Optical Absorption Spectroscopy) algorithm, excelling in accuracy, repeatability and anti-interference with moisture, dust.

Modular design and no moving parts, higher reliability and easier maintenance. Pulse Xenon Lamp used as light source with over 10-year lifetime.

The adoption of diode array sensor enables instant spectrum acquisition and rapid response

>>> Features and Benefits

1. Analyzer uses the following optical technology platform to get the UV absorption spectrum, the technology platform consists of light source, gas chamber, fiber optics and spectroscopy (including the diaphragm, holographic gratings, linear array detector) and other optical components.

2. UV-visible light emitted by the optical window into the gas chamber, is absorbed by the sample gas flowing through the measured gas chamber, carrying the tested sample gas absorbs light through the lens after gathering information coupled into optical fiber through the optical fiber transmission into the spectrometer splitting, sampling, to obtain the absorption spectrum of the gas.

3. Use DOAS technology spectrum analysis, can analyze the concentration of the gas in the relevant component.

>>> Measuring principle

1) The light source emits ultraviolet beam which transfers to gas cell through optical fiber.

2) After absorption by measuring gas, the light beam transfers through optical fiber to spectrometer.

3) Being dispersed through the grating, dispersed spectral optical signals are converted into electric signal by the CCD array sensor. By DOAS the continuous absorption spectrum of obtained measuring gas is thereafter used to get a plurality of kinds of

4) f gases(such as SO₂ NO) at the same time.



Nanjing Kelisaik Safety Equipment Co., Ltd.



+86 25 8719 3262



manager@njklsk.cn



multi-gasdetection.com

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