

Natural Diffusion Sampling Method Gas Analyzer 200mm X 100mm X 50mm Size and Relative Humidity Less Than 95 Percent for Gas Detection

Basic Information

- Brand Name: Gas Analyzer
- Model Number: 0009



Product Specification

- Sensor: Electrochemical Sensor
- Detecting Gas: Nitrogen/oxygen
- Relative Humidity: <95%
- Measure Range: 10ppm~21%, 100ppm~21%, 1000ppm~21% O₂
- Accuracy: ±0.5% Of Reading
- Ambient Humidity: <80%RH
- Usage: Oxygen Gas Detection
- Detection Principle: Catalytic / Infrared
- Highlight: **Natural diffusion gas analyzer,
Gas analyzer with humidity detection,
Compact gas analyzer 200mm size**

Product Description:

The Gas Analyzer is a state-of-the-art device designed for precise and reliable gas measurement in various industrial applications. Featuring a robust wall-mounted installation method, this analyzer is ideal for environments where space optimization and fixed positioning are essential. Its compact dimensions of 200mm X 100mm X 50mm make it unobtrusive while maintaining high functionality, allowing seamless integration into existing industrial setups.

Equipped with a highly sensitive electrochemical sensor, the Gas Analyzer delivers highly accurate gas measurement, ensuring that the detection and quantification of gases are both precise and consistent. This sensor technology is renowned for its reliability and specificity, making it an excellent choice for monitoring a wide range of gases in industrial process gas analyzers. The electrochemical sensor's design enables it to respond quickly to changes in gas concentration, providing real-time data crucial for process control and safety management.

Accuracy is a paramount feature of this Gas Analyzer, boasting an accuracy level of ±0.5% of reading. This exceptional precision is critical for applications where exact gas concentration measurements are necessary to maintain optimal operational conditions, comply with regulatory standards, or ensure environmental safety. Whether used for monitoring exhaust gases or other industrial gases, this analyzer provides trustworthy data that operators and engineers can depend upon.

In addition to accuracy and sensor performance, the Gas Analyzer is engineered to operate effectively in environments with relative humidity levels of less than 95%. This tolerance ensures stable and reliable operation even in conditions that might challenge other measuring instruments. The device's resilience to humidity enhances its suitability for various industrial settings, including manufacturing plants, chemical processing facilities, and energy production sites.

This product is particularly well-suited for use as an exhaust gas analyzer, where its precise measurements help in assessing emissions and maintaining compliance with environmental regulations. Its capability as an industrial process gas analyzer makes it a versatile tool for monitoring gas concentrations during production processes, ensuring both efficiency and safety. By accurately detecting gas levels, the analyzer helps prevent hazardous situations and supports the optimization of industrial workflows.

The wall-mounted design not only saves space but also facilitates easy access for maintenance and calibration, ensuring that the Gas Analyzer remains in peak operating condition with minimal downtime. Its durable construction and advanced sensor technology combine to provide a long-lasting and dependable solution for continuous gas monitoring needs.

In summary, the Gas Analyzer offers a comprehensive solution for industries requiring highly accurate gas measurement. Its electrochemical sensor, coupled with excellent accuracy and resilience to humidity, positions it as a leading choice among industrial process gas analyzers and exhaust gas analyzers. Whether installed in a manufacturing plant, power station, or any industrial environment, this wall-mounted Gas Analyzer delivers reliable performance, helping organizations maintain safety, efficiency, and regulatory compliance.

Technical Parameters:

Detection Principle	Catalytic / Infrared
Accuracy	±0.5% Of Reading
Measurement Gases	O2, CO, CO2, NO, NO2, SO2, H2S
Usage	Oxygen Gas Detection
Signal Output	4~20mA
Measure Range	10ppm~21%, 100ppm~21%, 1000ppm~21% O2
Sensor	Electrochemical Sensor
Installation Method	Wall-mounted
Dimensions	200mm X 100mm X 50mm
Sampling Method	Natural Diffusion

Applications:

The Gas Analyzer Model 0009, proudly manufactured in Suzhou, China, is an advanced and reliable tool designed for precise measurement of nitrogen and oxygen concentrations in various environments. With a measuring range spanning from 10ppm to 21%, 100ppm to 21%, and 1000ppm to 21% O2, this device ensures flexibility and accuracy in numerous industrial and scientific applications. Its high accuracy of ±0.5% of reading, combined with a natural diffusion sampling method, makes it ideal for situations requiring meticulous gas analysis without the need for complex sampling systems.

One of the primary application occasions for the Gas Analyzer 0009 is in environmental monitoring, where it is crucial to measure oxygen and nitrogen levels to maintain compliance with safety and environmental regulations. This device is particularly useful in laboratories, industrial plants, and clean rooms where maintaining specific gas concentrations is essential for product quality and safety. The analyzer's capability to function accurately in ambient humidity levels below 80%RH further broadens its usability in diverse environmental conditions.

Application-specific process gas analysers like the Gas Analyzer 0009 are indispensable in industries such as chemical manufacturing, pharmaceuticals, food and beverage processing, and metallurgy. In chemical plants, it helps monitor and control the oxygen content during various reactions to prevent unwanted oxidation. Similarly, in the food industry, precise oxygen measurement is vital for packaging and storage processes to extend shelf life and preserve quality. The natural diffusion sampling method allows for non-invasive and continuous monitoring, making it an excellent choice for real-time process control.

Moreover, the Gas Analyzer 0009 is suitable for research and development scenarios where accurate gas detection is paramount. Its

compact design and robust performance make it convenient for field testing and mobile applications where portability and reliability are required. Application-specific process gas analysers like this model also support safety monitoring in confined spaces, ensuring that oxygen levels remain within safe limits to protect workers from hypoxia or other hazards.

In summary, the Gas Analyzer Model 0009 from Suzhou China stands out as a versatile and precise instrument for measuring nitrogen and oxygen gases across a wide range of concentrations. Its superior accuracy, user-friendly natural diffusion sampling, and adaptability to various ambient conditions make it an essential tool in numerous application-specific process gas analysers scenarios, from industrial production to environmental safety and scientific research.

Customization:

The Gas Analyzer Model 0009, originating from Suzhou China, offers advanced industrial Process Gas Analyzers customization services to meet your specific needs. Equipped with high-precision infrared sensors, this device ensures accurate gas detection with an accuracy of $\pm 0.5\%$ of reading. Its compact dimensions of 200mm X 100mm X 50mm and wall-mounted installation method make it ideal for various industrial environments.

We specialize in providing application-specific process gas analysers tailored to your unique industrial processes. Our customization services consider factors such as relative humidity tolerance ($<95\%$) to ensure reliable performance in diverse conditions. Choose our Gas Analyzer Model 0009 for a dependable and precise industrial Process Gas Analyzer solution designed to fit your operational requirements.



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