



**HEADSPACE GAS ANALYZER**  
**Quali-HGA**

# HEADSPACE GAS ANALYZER

## Quali-HGA

Introducing the **Headspace Gas Analyzer Quali-HGA**: a cutting-edge solution with high-precision sensors for accurate gas analysis. It detects oxygen and carbon dioxide simultaneously for efficient testing. Equipped with user-friendly features like a needle/probe safety holster and built-in operating system, **the Quali-HGA ensures compliance with GMP standards and offers customizable access levels**. With personalized PDF test reports, it's essential for quality control in packaging and production.

### TEST PRINCIPLE

The sample gas is drawn into the sensor via a vacuum pump, initiating real-time monitoring of oxygen (O<sub>2</sub>) and, optionally, carbon dioxide (CO<sub>2</sub>) concentrations. Through continuous analysis of current and voltage signals, the instrument precisely calculates the gas's O<sub>2</sub> and CO<sub>2</sub> content. Upon meeting experiment completion criteria, the test concludes, and the instrument records the O<sub>2</sub> and CO<sub>2</sub> concentrations within the sample gas.

The Quali-HGA uses breakthrough puncture detection and high-quality oxygen and carbon dioxide sensors to precisely analyze gas levels in various packaging formats. This enables informed assessments of product quality, shelf life, and packaging efficacy, especially for modified atmosphere preservation (MAP) and controlled atmosphere preservation (CAP) packaging. Its swift detection capabilities offer crucial insights to optimize production processes across different settings.



Maximize your packaging quality and product longevity with the advanced capabilities of the Quali-HGA. **Revolutionize your quality control processes today.**

## APPLICATION



Food Bag



Food Container



Medicine Bag



Pharmaceutical Container



Modified Atmosphere Fresh-Lock



Ampoules and Other Medicinal Glass

## FEATURES/ADVANTAGES



### Advanced Gas Analysis:

Boasts high-precision sensors that guarantee precise detection of oxygen and carbon dioxide levels simultaneously.



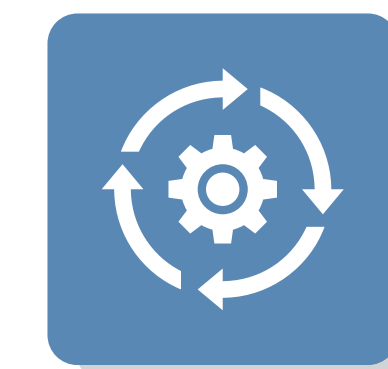
### Versatile Application:

Suitable for various packaging formats and industries, enabling informed assessments of product quality and shelf life expectancy.



### Regulatory Compliance:

Guarantees compliance with GMP standards and regulations, with customizable access levels and audit trail functionality.



### Intuitive Design:

Equipped with convenient features such as a needle/probe safety holster for secure handling and a built-in operating system that enhances ease of use.



### Efficiency and Optimization:

Swift detection of oxygen levels provides crucial insights to optimize production processes and enhance overall quality control.

## TECHNICAL SPECIFICATIONS

Item	Technical Parameter
Gas to be Measured	O <sub>2</sub> (standard configuration)
Measurement Principle	Fluorescence optics
Measurement Range	0%~25%
Measurement Accuracy	±0.2%
Sample Size	≥3 ml (standard atmospheric pressure)
Dimensions	350 mm (L) × 330 mm (W) × 200 mm (H)
Power Supply	220V AC ±10% 50Hz / 120V AC ±10% 60 Hz
Net Weight	5kg

## STANDARD CONFIGURATION

Item
Main Unit
Micro Printer
Sampling Needle
Gasket
Item Options
CO <sub>2</sub> Sensor
Professional Software
Communication Cable
Rigid Packaging Sampler
Underwater Sampling Device



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## Connect with us

Contact our **QualiTeam** today to find out how we can help your organization **select the most suitable testing solution** for your application, requirements, and budget.

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