

### Professional

HGA -03 Headspace Gas Analyzer is equipped with professional structural and high precision sensors. It can provide accurate and fast evaluation of the volumes and proportions of oxygen and carbon dioxide in sealed packages on production lines, at warehouses or in laboratories, to serve as a guide for production and ensure shelf life.

- The instrument automatically adjusts the test space according to the size of test specimen
- O<sub>2</sub> and CO<sub>2</sub> sensors are all imported from renowned countries to ensure test accuracy
- Equipped with micro-printer for convenient data printing
- The instrument is controlled by micro-computer with LCD display, PVC operation panel, and menu interface



### Intelligent

HGA-03 Headspace Gas Analyzer utilizes micro-computer control system with data analysis, management and export functions. The build-in data storage function allows it to store a large amount of test data.

- The instrument utilizes automatic lifting stand and the whole test process is completely automatic
- Designed with filtering mechanism which prevents powder contents within specimen from damaging the sensor
- Provides diversified analysis modes to meet distinct user requirements
- Equipped with standard RS232 ports and professional software for convenient PC connection and data transfer
- Supports Lystem™ Lab Data Sharing System, which ensure uniform and systematic management of test results and test reports

### Applications

HGA-03 Headspace Gas Analyzer is applicable to the determination of:

<b>Basic Applications</b>	Seal Packaging Bags	Test the volume and proportion of O <sub>2</sub> and CO <sub>2</sub> in head space of non-vacuum seal packaging bags of coffee, cheese, milk tea, milk powder, bread, bean powder, instant food and drugs
	Packaging Containers	Test the volume and proportion of O <sub>2</sub> and CO <sub>2</sub> in head space of packaging containers of coffee, milk powder, food, cheese, can, Tetra Pak and beverage (Underwater sampling set is needed)
<b>Extended Applications</b>	Ampoule Bottles	Test the volume and proportion of O <sub>2</sub> and CO <sub>2</sub> in head space of ampoule bottles (Underwater sampling set is needed)

### Technical Specifications

<b>Specifications</b>	<b>HGA-03</b>
<b>Testable Gases</b>	O <sub>2</sub> , CO <sub>2</sub>
<b>O<sub>2</sub> Test Range</b>	0~100%
<b>O<sub>2</sub> Test Accuracy</b>	0~2%: ±0.3% 2%~100%: ±0.5%
<b>O<sub>2</sub> Sensor Service Life</b>	>6 years
<b>CO<sub>2</sub> Test Range</b>	0 ~ 100%
<b>CO<sub>2</sub> Test Accuracy</b>	±0.5%
<b>CO<sub>2</sub> Sensor Service Life</b>	>15 years
<b>Sampling Volume</b>	≥12 mL ( Standard Atmospheric Pressure )
<b>Instrument Dimension</b>	400 mm (L) x 330 mm (W) x 800 mm (H)
<b>Power Supply</b>	AC 220V 50Hz / AC 120V 60Hz
<b>Net Weight</b>	37 kg

## Configurations

<b>Standard Configurations</b>	Mainframe, Micro-printer, Sampling Needle, Filter and Seal Gasket
<b>Optional Parts</b>	Professional Software, Communication Cable, Pedal Switch, Sampling Needle, Filter, Seal Gasket, Underwater sampling set and Lystem™ Lab Data Sharing System

**Please Note:** Labthink is always dedicated to the innovation and improvement of product performance and function. Therefore, technical specifications are subject to change without further notice. Please visit our website at [www.labthink.com](http://www.labthink.com) for the latest updates. Labthink reserves the rights of final interpretation and revision.