

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
- O₂ and CO₂ 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:

Basic Applications	Seal Packaging Bags	Test the volume and proportion of O ₂ and CO ₂ 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 ₂ and CO ₂ in head space of packaging containers of coffee, milk powder, food, cheese, can, Tetra Pak and beverage (Underwater sampling set is needed)
Extended Applications	Ampoule Bottles	Test the volume and proportion of O ₂ and CO ₂ in head space of ampoule bottles (Underwater sampling set is needed)

Technical Specifications

Specifications	HGA-03
Testable Gases	O ₂ , CO ₂
O₂ Test Range	0~100%
O₂ Test Accuracy	0~2%: ±0.3% 2%~100%: ±0.5%
O₂ Sensor Service Life	>6 years
CO₂ Test Range	0 ~ 100%
CO₂ Test Accuracy	±0.5%
CO₂ Sensor Service Life	>15 years
Sampling Volume	≥12 mL (Standard Atmospheric Pressure)
Instrument Dimension	400 mm (L) x 330 mm (W) x 800 mm (H)
Power Supply	AC 220V 50Hz / AC 120V 60Hz
Net Weight	37 kg

Configurations

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

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