KASON-HGA01 Headspace Gas Analyzer

Note: The picture is for reference only

The KASON-HGA01 Headspace Gas Analyzer (Handheld) features a convenient handheld design and is equipped with a high-precision sensor and gas sampling pump from a well-known brand. It can accurately and conveniently determine the O2 content in sealed bags, bottles, cans, and other hollow packaging containers. With an optional CO2 sensor, it can also determine CO2 content. Suitable for rapid and accurate evaluation of O2 and CO2 content in gases in production lines, warehouses, laboratories, and other settings, thereby guiding production.

Product Features

- Convenient design, one-handed operation, lightweight and portable, suitable for diverse testing requirements;
- 3.5-inch industrial-grade resistive touchscreen, one-button operation, intuitive and simple interface;

- Automatic shutdown function to reduce energy consumption;
- One-button automatic calibration function for convenience and speed;
- Uses imported well-known brand components, featuring high testing accuracy, low failure rate, and long service life;
- Quick-connect sampling needle protective sleeve design effectively ensures testing safety;
- Automatic data storage and power-off automatic memory function prevent data loss;
- Built-in data storage up to 2000 records to meet the needs of large data volume storage;
- Built-in pressure sensor for accurate measurement of the vacuum inside the sample. Temperature (optional);
- Meets China's GMP requirements for data traceability, meeting the needs of the pharmaceutical industry (optional);
- Equipped with a wireless micro printer for convenient printing of test results at any time (optional);
- Equipped with a USB interface and professional computer software for convenient computer connection and data import/export (optional);

Test Principle:

Gas in the sample is drawn into the sensor by a gas extraction pump. The sensor outputs a voltage signal in real time indicating the concentration of O2 and CO2 (optional) in the gas within the sample. The instrument calculates the ratio of O2 and CO2 (optional) in the gas by acquiring the voltage signal output by the sensor. The test stops when the test termination condition is reached, and the instrument records the content of O2 and CO2 (optional) in the tested gas within the sample.

Technical Specifications

Specifications	Parameter	
Measured Gas Type	O2 (Standard)	CO2 (Optional)
Test Principle	Electrochemical: 0~100%	Infrared Absorption
Measurement Range	0.01%	0~100%
Resolution	±0.2%	0.01%
Measurement Accuracy	Approx. 2 years (in air)	±(0.03% + 5% of indicated value)
Sensor Life	Approx. 2 years (in air)	≥15 years
Sampling Capacity	≤3ml(StandardMode)	≤15ml (Standard Mode)
Response Time	≤8seconds	≤10 seconds
Dimensions	250 mm (L) × 120 mm(W) × 85 mm(H)	
Power Supply	AC 220 V 50 Hz	
Net Weight	Approximately 0.7 kg	
Reference Standards	GB-T 41682-2022 Determination of headspace gas content in food plastic packaging containers - Sensor method	

Product Configuration

Standard Configuration: Main unit, sampling needle, filter, sealing gasket, portable toolbox

Optional Accessories: Wireless printer, professional software, CO2 sensor, headspace gas underwater sampling device E

FOCUS IN MATERIAL TEST

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