



Headspace Analyzers

GS6500 & GS6600

Oxygen and carbon dioxide headspace measurement for modified atmosphere packaged (MAP) product.

The new GS6500 & GS6600 headspace analyzers represent the latest evolution, offering non-depleting technologies at an affordable price.

The GS6500 & GS6600

Systech is globally recognized for its precision oxygen and carbon dioxide analyzers. The GS6500 and GS6600 headspace analyzers offer advanced technology, user-friendly operation, and reliable performance to meet the latest industry demands for modified atmosphere packaging (MAP) analysis.

These highly advanced instruments are equipped with integral sampling systems, long-life zirconia and infrared sensors, and microprocessor control to ensure accurate and repeatable results. The internal microprocessor manages calibration, auto-ranging, flow control, and test duration, ensuring consistent, error-free measurements.

Response times are less than five seconds for oxygen and ten seconds for carbon dioxide, making both models ideal for fast and efficient testing. The GS6500 measures oxygen levels, while the GS6600 measures both oxygen and carbon dioxide concentrations.

Both models feature a compact, corrosion-resistant design, suitable for various environments, and offer one-touch automated calibration and product analysis for ease of use. These analyzers provide robust and precise headspace gas measurements, supporting a wide range of applications.

Features & Benefits

- Easy to set up and use
- AccuFlow transducer
- Intuitive menu
- One-Touch calibration
- Set tests for pass or fail
- External printer option via RS232
- Lightweight and easy to move around
- USB port for diagnostic software

Applications

- Fresh Meat
- Beverage Products
- Fresh, Prepared & Frozen Food Products
- Snack Foods
- Medical Device Packaging
- Pharmaceutical Packaging

Model

Measurement Capability

GS6500

Oxygen levels

GS6600

Oxygen and carbon dioxide concentrations



Flow Control

The AccuFlow transducer provides accurate flow control and replaces antiquated ball type flow meters. Flow is internally monitored to ensure trouble free performance and a warning displayed should the flow become obstructed.

Samples injected directly

Headspace samples can be injected directly into the instrument when automated sampling is not practical.

Enclosure

The new more compact corrosion resistant enclosure minimizes the required foot print space on carts and table tops.

Display hold

Locks most recent high or low concentration value. Bright, large character display is easy to read in any lighting condition. Status lights indicate mode of operation.

RS232 output

RS232 output prints product description and sample data to 40 column thermal desktop printer for hard copy of calibration and test results. Prints test "Fail" according to user defined alarm settings.



One-Touch calibration

With a single button the instrument self calibrates in just 60 seconds using ambient air.



Proprietary non-depleting sensors

Each sensor is designed to provide many years of trouble free service eliminating the need for regular replacement.

Sample wand

The robust sample wand is designed to accept standard luer accessories and includes easily replaced needles and particulate filters. A convenient sample wand holder prevents needle contamination and enhances safety when the analyzer is not in use.



Accessories

The can piercing station is perfect for rigid packaging and has proven to be stable and reliable in hundreds of demanding applications.

Can Piercing Station

Technical Specification

Oxygen Range		Autoranging from 0.001 to 100% (models GS6500 & GS6600)
Carbon Dioxide Range		Autoranging from 0.1 to 100% (model GS6600)
Displays		Bright 4 Digit LED, Display Hold, Analyze, and Calibration Status Indicators
Response Time		<5 seconds (O ₂), <10 seconds (CO ₂)
Accuracy	Oxygen	10 to 100%, 0.2% absolute (max 2% of reading) and ±1 on the last digit. 1 to 9.99%, 0.02% absolute (max 2% of reading) and ±1 on the last digit. 0 to 0.999%, 0.005% absolute and ±1 on the last digit.
	CO ₂	± 2% FSD
Ambient Temperature		41 to 104°F (+5 to 40°C)
Internal Sample Pump		Processor Controlled Diaphragm Type
Syringe Injection		Via Male Luer Syringe Adaptor (option)
Enclosure		Epoxy Coated Steel, Polycarbonate Operators Panel
Dimensions		13.5W x 11.5 D x 5.7 H inches (340W x 290 D x 145 H mm)
Weight		9lbs (4 kg)

Options

Computer Interface	RS232 Port for printer, USB for computer.
Rigid Pack Sampler	Extracts samples from cans, jars, bottles, etc. Includes all necessary fittings and supplies.
Compact External Printer	40 Column Thermal Desktop Printer

Power Requirements

Mains power	Universal, 90-264VAC. 100 Watt maximum
--------------------	--

Disclaimer

The information contained in this document is liable to modification from time to time in the light of experience and our policy of continuous product development. Check the Industrial Physics website for the latest version.

Contact Details

web. www.industrialphysics.com

email. info@industrialphysics.com