



## Gaspace Advance

GS1 & GS1W Oxygen

GS2 & GS2W Carbon Dioxide

GS3 & GS3W Oxygen & Carbon Dioxide

Fast accurate MAP headspace analysis for gas flushed food and pharmaceutical products.

The next generation Gaspace Advance from Systech Illinois. Fast, accurate and simple to use yet full of the most advanced features available in headspace analysis.

All Gaspace Advance headspace analyzers offer automatic calibration, diagnostics and control.

The Gaspace Advance offers consistently reliable results and simplicity in operation allowing you to maximise your production efficiency.

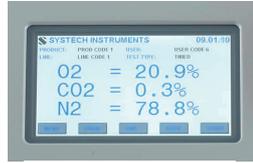
## Test Easily

Using the large buttons and big clear display; testing is simple, errors are eliminated and no special operator training is required.



## Test Quickly

Using AutoSense allows many packs to be tested with just one button press. Saving you time and making your QA department more efficient.



## Test all pack sizes

One analyzer can test all pack sizes and very low volumes. Rigid cans and jars can be analyzed with the simple to use Can Piercing station.



Can Piercing Station

## Test how you want to

With Timed tests, AutoSense, Peak / Valley, Syringe Direct Injection or Continuous testing.

Fast configuration and fast selection, provides the test method that is best for you.

## Simple configuration

Simple configuration for all test types and methods – no special training required to use all the highly advanced features.

## Auto-Cal & Auto diagnostic

Ensures the instrument is always performing to its highest degree of accuracy - essential for HACCP compliance.

## Easy to see Pass / Fail messages

Speeds up the analysis process and removes any uncertainty with interpreting measurements.

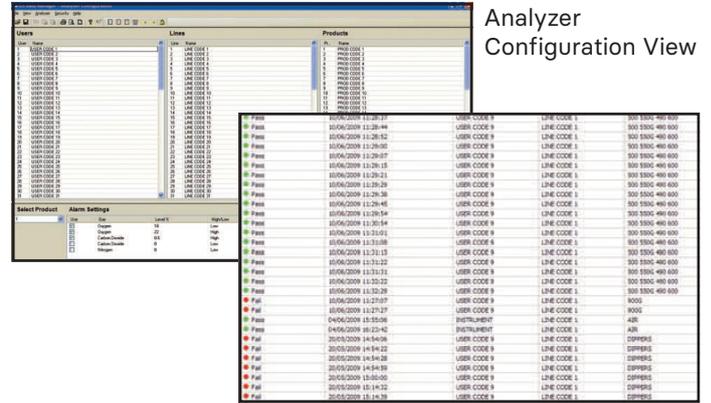
## Built-in printer option

Makes the documentation process a whole lot simpler. No cables and more space on the benchtop.



## Software (optional)

The GS Data Manager Software allows you to download results stored on your analyzer and upload new settings. You can also search through your stored data by time, date, user, production line or any of the product information.



Data Download View

The Gaspace Advance is also available with an electrochemical oxygen sensor (GS1L, GS3L) for measurements requiring only % levels of oxygen.

All models are available in a waterproof carrying case.



## Contact Details

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## Features & Benefits

- Easy to use touch screen
- 5 different test methods
- Easy to set up and use
- Intuitive menu
- Auto calibrate
- Auto diagnosis
- Set tests for pass or fail
- Printer option
- Computer software option
- Waterproof option

## Applications

- Fresh Meat
- Cooked Meat
- Vegetables
- Salads
- Bakery
- Snack Foods
- Ready Meals
- Fish
- Pharmaceutical Vials
- Pharmaceutical Packaging

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## Technical Specification

### Sensor Type

<b>GS1 and GS1W</b>		Oxygen 0 to 100%, Zirconia, solid state, ultra low volume
<b>GS2 and GS2W</b>		Carbon Dioxide 0 to 100%, dual wavelength, Infra-red
<b>GS3 and GS3W</b>		Oxygen 0 to 100%, Zirconia, solid state, ultra low volume Carbon Dioxide 0 to 100%, dual wavelength, Infra-red Balance Gas 0 to 100%, Arithmetic
<b>Response time</b>		3 seconds
<b>Minimum volume of sample gas</b>		Extremely small, dependent on equilibrium levels. Consult factory.
<b>Accuracy</b>	Oxygen	10 to 100% 0.2% absolute (max 2% of reading) and $\pm 1$ on the last digit. 1 to 9.99% 0.02% absolute (max 2% of reading) and $\pm 1$ on the last digit. 0 to 0.999% 0.005 % absolute and $\pm 1$ on the last digit.
	Carbon Dioxide	$\pm 0.5\%$ absolute and $\pm 1.5\%$ of reading
<b>Range selection</b>		Automatic to 3 decimal places Oxygen: 0.001% to 99.9% CO <sub>2</sub> : 0.1% to 99.9%
<b>Display type</b>		Wide angle 3.74" x 2.16" 4.5" High Resolution Touchscreen LCD

### Operating Conditions

<b>Sample and ambient temperature</b>	50 to 104°F (GSW 32 to 95°F)
<b>Sample connections (optional)</b>	Needle probe, can piercing station or direct syringe injection
<b>Alarms</b>	Programmable high/low limits for each measured gas, individual setting for up to 99 product, user and production line codes. Screen and printed display of high/low alarm conditions
<b>Internal datalog</b>	Stores over 1000 measurement results and alarm conditions
<b>Communications interfaces</b>	Serial computer interface for reports and data logging
<b>Auto diagnostic routine</b>	Initiated upon power up
<b>Auto-cal</b>	Auto calibration routine standard
<b>Auto pass/fail</b>	User programmable. Screen and printed display of alarm conditions
<b>Auto test sequencing</b>	Initiated by sample probe insertion into pack

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## Options

<b>Internal Printer</b>	Prints the results and alarms for each test
<b>Flexible package kit</b>	Everything required for analysis from standard packets and pouches
<b>Can Piercing Station</b>	For analysis from rigid cans and jars
<b>Carry Case</b>	Aluminium framed flight case
<b>Data Transfer Software</b>	For configuration and downloading of reports and internal datalog
<b>Syringe Direct Injection</b>	Manually inject the sample to the instrument
<b>Electrochemical Cell</b>	Electrochemical oxygen cell in place of zirconia

## Power Requirements

**Mains power** 90-260Vac, 50/60Hz, 50VA

## Weights & Dimensions

	Weight (lb)	Width (in)	Depth (in)	Height (in)
<b>GS1, GS2 &amp; GS3</b> Bench Mount Stainless steel and stove enameled aluminum	9.9	15.35	10.63	5.51
<b>GS1W, GS2W &amp; GS3W</b> Waterproof Carrying Case Impact resistant ABS	14.3	16.14	13	6.7

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