SYSTECH Illinois

Gaspace Advance

GS1 & GS1W Oxygen
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.

INDUSTRIAL PHYSICS

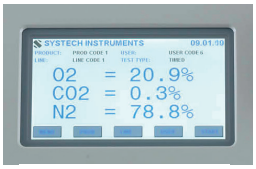
Protecting
Product Integrity

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

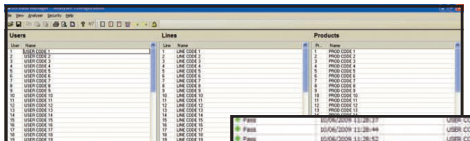
Speeds up the analysis process and removes any uncertainty with interpreting measurements.

Built-in printer option

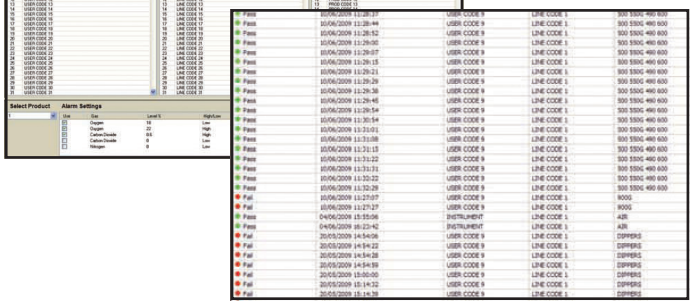
Makes the documentation process a whole lot simpler. No cables and more space on the benchtop.

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.



Analyzer
Configuration View



Data Download View

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		
GS1 and GS1W		Oxygen 0 to 100%, Zirconia, solid state, ultra low volume
GS3 and GS3W		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
Response time		3 seconds
Minimum volume of sample gas		Extremely small, dependent on equilibrium levels. Consult factory.
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.
	Carbon Dioxide	± 0.5% absolute and ±1.5% of reading
Range selection		Automatic to 3 decimal places Oxygen: 0.001% to 99.9% CO_2: 0.1% to 99.9%
Display type		Wide angle 3.74" x 2.16" 4.5" High Resolution Touchscreen LCD
Operating Conditions		
Sample and ambient temperature		50 to 104ºF (GSW 32 to 95ºF)
Sample connections (optional)		Needle probe, can piercing station or direct syringe injection
Alarms		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
Internal datalog		Stores over 1000 measurement results and alarm conditions
Communications interfaces		Serial computer interface for reports and data logging
Auto diagnostic routine		Initiated upon power up
Auto-cal		Auto calibration routine standard
Auto pass/fail		User programmable. Screen and printed display of alarm conditions
Auto test sequencing		Initiated by sample probe insertion into pack

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Options

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

Power Requirements

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

Weights & Dimensions

	Weight (lb)	Width (in)	Depth (in)	Height (in)
GS1 & GS3	9.9	15.35	10.63	5.51
Bench Mount				
Stainless steel and stove enameled aluminum				
GS1W & GS3W	14.3	16.14	13	6.7
Waterproof Carrying Case				
Impact resistant ABS				

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