

# Gaspase Advance



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

**GS1 and GS1W** for Oxygen analysis

**GS2 and GS2W** for Carbon Dioxide analysis

**GS3 and GS3W** for Oxygen & Carbon Dioxide analysis

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

All Gaspase Advance headspace analysers offer automatic calibration, automatic diagnostics and automatic control of the many functions. The Gaspase Advance gives confidence in the results and simplicity in operation, always working hard to maximize your production efficiency.

### Applications

- Poultry
- Cooked and fresh meats
- Salads
- Fish Products
- Snack foods
- Pre-prepared meals
- Bakery Products
- Pharmaceutical headspace

### With the Gaspase Advance you can....

#### **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 analyser can test all pack sizes, down to 5cc, rigid cans and jars can be analysed with the simple to use 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 diagnosis**

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

#### **Easy to see Pass / Fail messages**

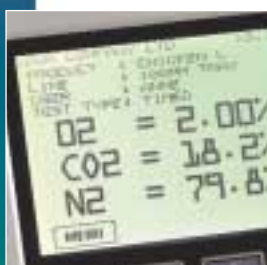
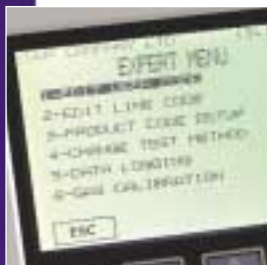
Speeds up the analysis process and removes any uncertainty with interpreting measurements.

#### **Built-in printer option**

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

#### **You won't need to worry about the test results -**

**The Gaspase Advance is the right answer**



## Technical Specification

<b>GS1 and GS1W</b>	Oxygen	0 to 100%
<b>GS2 and GS2W</b>	Carbon Dioxide	0 to 100%
<b>GS3 and GS3W</b>	Oxygen	0 to 100%
	Carbon Dioxide	0 to 100%
	Balance Gas	0 to 100%
<b>Response time</b>	5 - 10 seconds	
<b>Minimum volume of sample gas</b>	5cc	
<b>Accuracy</b>	Oxygen	1% of reading
	Carbon Dioxide	+/- 2% of FSD
<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 150mm x 100mm High Resolution LCD	
<b>Operating conditions</b>	Sample and ambient temperature: 10 to 40°C	
<b>Sample connections</b>	Needle probe, can piercing station or direct syringe injection	
<b>Oxygen analysis</b>	Miniature Zirconia probe	
<b>Carbon Dioxide analysis</b>	Single beam infrared	
<b>Alarms</b>	Programmable high/low limits for each measured gas, individual setting for up to 99 product codes. Screen and printed display of high/low alarm conditions	
<b>Internal datalog</b>	Stores 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	

### 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

### POWER REQUIREMENTS

<b>Mains power</b>	90-260 Vac, 50/60Hz – Automatically sensed
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### GS ENCLOSURE CONFIGURATIONS

<b>GS1, GS2 &amp; GS3</b>	Bench mounting Weight 4.5kg Stainless steel and Stove Enameled Aluminium Size: 390mm (w) x 270mm (D) x 140mm (H)
<b>GS1W, GS2W &amp; GS3W</b>	Waterproof carrying case Weight 6.5kg Impact resistant ABS Size: 410mm (w) x 330mm (D) x 170mm (H)

The Gaspac 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 (GS1W, GS2W, GS3W, GS1LW and GS3LW) for simple 'Close and Hose' operation. Further details of these variants are available upon request