Gaspace Advance

SYSTECH illinois

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

Applications

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

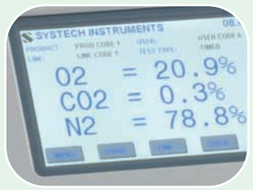
Features & Benefits

- 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

GS1&GS1W Oxygen GS2&GS2W Carbon Dioxide GS3&GS3W Oxygen & Carbon Dioxide

GS1, GS2 & GS3

Bench
Mount
Weight: 4.5 kg
140H x 390W x 270D (mm)
Stainless steel and stove enameled aluminium



Can Piercing Station

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 analysers 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 analyser can test all pack sizes and very low volumes. 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 its highest degree of accuracy - essential for HACCP compliance.

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.

GS1W, GS2W & GS3W

Waterproof Carrying Case
Weight: 6.5 kg
170H x 410W x 330D (mm)
Impact resistant ABS

Easy to see Pass / Fail messages

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

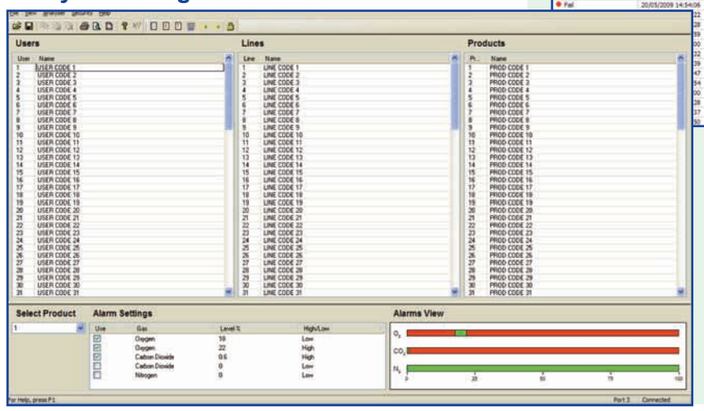
Built-in printer option

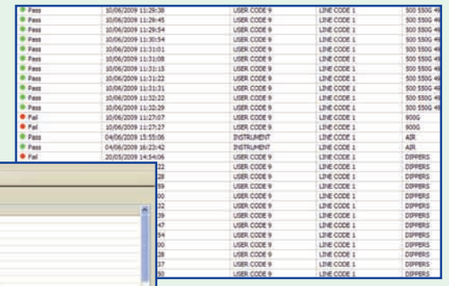
Makes the documentation process a whole lot simpler. No cables and more space on the bench top.

Software

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

Analyser Configuration View





Data Download View

Technical Specifications

Sensor Type		
GS1 and GS1W		Oxygen 0 to 100%, Zirconia, solid state, ultra low volume
GS2 and GS2W		Carbon Dioxide 0 to100%, dual wavelength, Infra-red
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% CO2: 0.1% to 99.9%
Display type		Wide angle 95mm x 55mm 4.5" High Resolution Touchscreen LCD
Operating conditions		Sample and ambient temperature: 10 to 40°C (GSW 0 to 35°C)
Sample connections		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
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
Electrochemical Cell		Electrochemical oxygen cell in place of zirconia
Power Requirements		
Mains power		90-260 Vac, 50/60 Hz, 50 VA

Systech Illinois have 30 years experience of providing gas analysis solutions for a wide range of industries. From our manufacturing plants in the UK and U.S. we produce gas analysers for industrial process industries, headspace analysers for monitoring gas flushing of food products, and our range of permeation analysers.

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