Gaspace Advance Micro

SYSTECH Illinois

Fast accurate MAP analysis for small volumes of headspace in gas flushed food and pharmaceutical products

Applications

Pharmaceutical Vials	Ampoules	Pharmaceutical Packaging	Fish
Fresh Meat	Cooked Meat	Vegetables	Salads
Snack Foods	Ready Meals	Coffee Pods	Wine

Features & Benefits

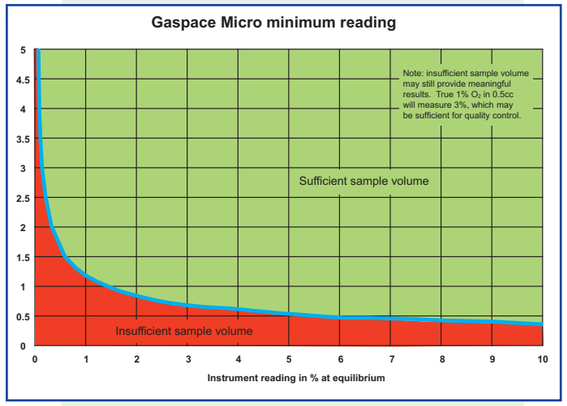
- Measurement of less than 1cc
- Easy to use touch screen
- 5 different test methods
- Easy to set up and use
- Intuitive menu
- Auto calibrate and auto diagnosis
- Set tests for pass or fail
- Built in Printer
- Computer software option with easy keyboard entry of data
- Waterproof option
- Documentation for Quality Management Systems (IQ, OQ, PQ)
- 21CFRII Compliant

GS1M/W Oxygen

GS1M & GS3M

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

Test small headspaces



Vial Autosampler Option

Fast, accurate and simple to use the Gaspace Advance Micro is full of the most advanced features available in headspace analysis.

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

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

Test small headspaces

The Micro is specifically designed to allow analysis of small headspaces as low as 0.2cc.

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 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.

GS3M/W Oxygen & Carbon Dioxide

The Gaspace Advance Micro is also available in a waterproof carrying case (all models).

GS1MW & GS3MW

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

Easy to see Pass/Fail messages

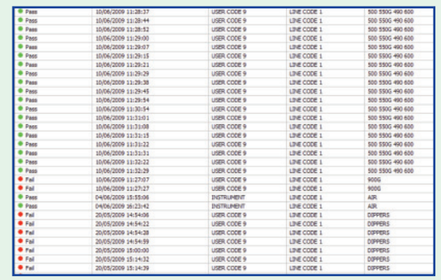
Speeds up the analysis process and removes any uncertainty with interpreting measurements.

Built-in printer option

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

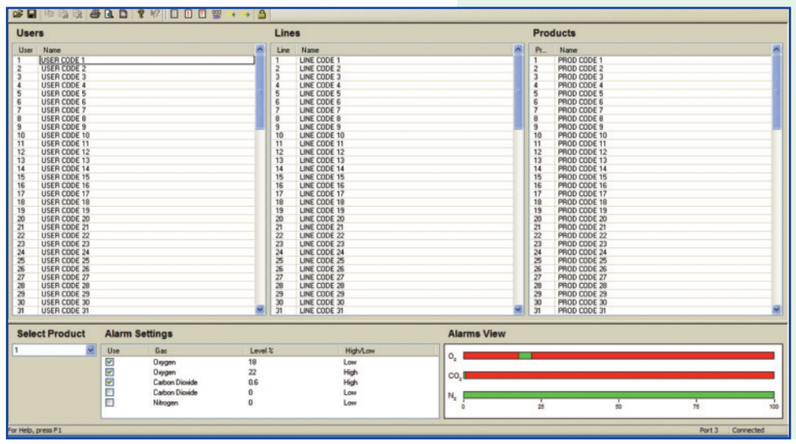
Software

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.



Data Download View

Analyser Configuration View



Technical Specifications

Sensor Type	
GS1M and GS1MW	Oxygen 0 to 100%, Zirconia, solid state, ultra low volume
GS3M and GS3MW	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	See graph on page 2, 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: 5 to 40°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
Printer	Prints the results and alarms for each test
Options	
Flexible package kit	Everything required for analysis from standard packets and pouches
Can Piercing Station	For analysis from rigid cans and jars
Vial Autosampler	Automatic laboratory vial analysis
Carry Case	Aluminium framed flight case
Data Transfer Software	For configuration and downloading of reports and internal datalog
Power Requirements	
Mains power	90-260 Vac, ±10%,50/60Hz – Automatically sensed

Systech Illinois have over 25 years experience of providing 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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