

Robust, portable and waterproof headspace gas analyzer for factory packing environments

The GS Waterproof is easy to carry as well as easy to use and has been designed to be the toughest headspace gas analyzer on the market. It can be conveniently transported between packing lines and factory locations with its ergonomic carrying handle. The case is IP67 rated which provides NEMA 6 protection and is corrosion proof, crush proof and waterproof when closed.

Full of the most advanced features available in headspace analysis including automatic calibration, diagnostics and control. The GS Waterproof offers consistently reliable results and simplicity in operation allowing you to maximise your production efficiency.



Applications

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

Features & Benefits

- Portable with an ergonomic handle
- Waterproof (when case is closed), corrosion proof and crush proof
- Durable and robust, IP67/ NEMA 6 case
- Easy to set up and use with a touch screen
- 5 different sample test methods
- Auto calibrate and diagnosis
- Set tests for pass or fail
- Printer option
- Computer software option
- High level of service and support

Technical Specifications

Sensor Type	
GS1W	Oxygen 0 to 100%, Zirconia, solid state, ultra low volume
GS2W	Carbon Dioxide 0 to 100%, dual wavelength, Infra-red
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 $\pm 0.5\%$ absolute and $\pm 1.5\%$ 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 3.74" x 2.16", 4.5" High Resolution Touchscreen LCD
Dimensions	6.7H x 16.14W x 13D inches
Weight	14.3 lbs

Operating conditions	Sample and ambient temperature: 32 to 95°F
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
Data Transfer Software	For configuration and importing logged data into Excel
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
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Illinois Instruments, Inc (U.S)

2401 Hiller Ridge Road
Johnsburg, Illinois 60051
U.S.A
Tel: +1 815 344 6212
Fax: +1 815 344 6332
E mail: sales.usa@systechillinois.com
www.systechillinois.com

Systech Instruments Ltd (UK)

17 Thame Park Business Centre,
Wenman Road,
Thame, Oxfordshire OX9 3XA
Tel: +44 (0)1844 216838
Fax: +44 (0)1844 217220
E mail: sales.uk@systechillinois.com
www.systechillinois.com

Illinois Instruments (Thailand)

26/6 Ladprao 23, Jatujak,
Bangkok 10900
Thailand
Tel: +66 (0)2030 5851
Fax: +66 (0)2030 5850
E mail: sales.ap@systechillinois.com
www.systechillinois.com

Systech Illinois (China)

Room 1107 1108 Forte Building
No. 910 Quyang Rd, Hongkou district,
Shanghai, China 200437
Tel: +86 21 65533022
Fax: +86 21 65539651
Email: info@systechillinois.cn
www.systechillinois.cn