

On-Line Gas Stream Analyzer



GSA™ SERIES **Oxygen / Carbon Dioxide**

- Continuous or Intermittent Packaging Applications
- Direct Sampling of Filling Chamber Option
- Six Models Available

mocon®

GSA Series of O₂ and CO₂ On-Line Gas Stream Analyzers

Six Models are available to measure oxygen, carbon dioxide or both; continuously or intermittently for gas flush packaging applications in production.



Continuously Measure Your Gas Streams and/or Filling Chambers

The GSA Series can be used with both vertical and horizontal form/fill/seal packaging machines, measuring O₂ and/or CO₂ levels in:

- **Gas supply streams**
- **Product hoppers**
- **Flushing and sealing chambers**
- **NIST Traceable Certification on request**

PLC option provides five signals for easy interconnection with a programmable logic controller or other device. RS-232 interface and high/low alarms are standard.

Six systems and many options allow for flexibility to fit your most demanding application

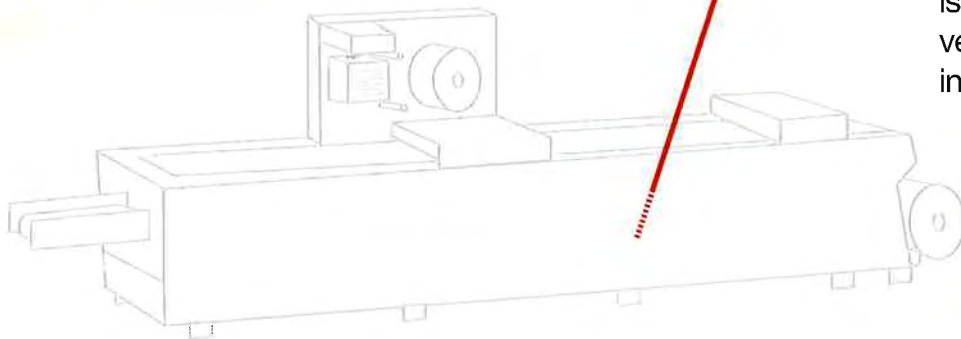
- On-line oxygen and/or carbon dioxide analyzers (six models see back page)
- For continuous or intermittent monitoring of modified atmosphere packaging and other gas flushing operations
- Optional sampling device can allow direct sampling of flushing chamber in intermittent packaging applications*
- Flo-Smart™ Technology provides for automatic flow detection and validation
- RS-232 interface standard
- Non-depleting zirconium oxide solid state oxygen sensor
- Standard high/low alarms, user adjustable
- Automatic ranging
- Automatic self-test on power-up
- Programmable logic controller (PLC) inputs/outputs available
- Optional analog outputs
- Multi-sampling option allows a single-unit to monitor two gas streams

GSA systems can measure the effectiveness of your gas flushing operations.



* Patented sampling device for use in intermittent packaging applications.

Several Sampling Options and Models to Fit Your Application

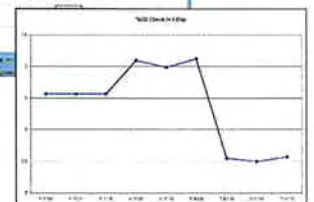


GSA systems can be integrated with existing or incorporated into new machines (form, fill, seal and environmental).

DATA GRAB™ Data Acquisition Software

Acquisition software for Windows® is available. DATA GRAB acts as a vehicle or bridge and deliver data into Excel.

Product	Line	SFA	Date	Time	%O2	Response	Mark
A	1	1510	08/01/02	7:15:00	19.99	OK	1
A	1	1510	08/01/02	7:15:00	19.99	OK	1
A	1	1510	08/01/02	7:15:00	19.99	OK	1
B	2	0870	08/01/02	7:20:00	19.99	OK	1
B	2	0870	08/01/02	7:20:00	19.99	OK	1
C	3	0760	08/01/02	7:25:00	19.99	OK	1
C	3	0760	08/01/02	7:25:00	19.99	OK	1
D	4	0500	08/01/02	7:30:00	19.99	OK	1
D	4	0500	08/01/02	7:30:00	19.99	OK	1



How will the GSA Series work in your application?

Typical Applications

- Modified Atmosphere Packaging
- Snack Food Packaging
- Bakery
- Meats & Cheeses
- Coffee, Juice, and Carbonated Beverages
- Purge Gas Monitoring
- Controlled Environment Monitoring
- Gas Blanket Monitoring
- Environmental
- Industrial Hygiene

Model	Test Gas	Flow Application Type
GSA 700	O ₂	Intermittent
GSA 750	O ₂	Continuous
GSA 800	CO ₂	Intermittent
GSA 850	CO ₂	Continuous
GSA 900	O ₂ /CO ₂	Intermittent
GSA 950	O ₂ /CO ₂	Continuous

Specifications

For complete specifications for your specific application please call.

Measuring Range:	0 - 100% O ₂ & CO ₂
Display:	Two 3-digit LED's
Sensor:	Infrared – CO ₂ Zirconium – O ₂
Power:	100V, 115V, 240V, 50/60 Hz, .5 VA Maximum
Dimensions:	7.8" (198.4 mm)H x 15.7" (398.4 mm)W x 11.3" (285.8 mm)D
Weight:	24 lbs. (11 kg)

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