

# GSA Model 102 D

## O<sub>2</sub> On-Line Gas Stream

*Designed for new or existing MAP processes*

For MAP applications to continuously measure your O<sub>2</sub> levels in filling chambers on form/fill/seal, tray and thermoform packaging machines. This compact, reliable, analyzer is easy to install and is loaded with features and comes with a small easy-to-read display that shows the oxygen percent in the chamber and allows you to set the alarms if desired.



## Features

- Low Cost
- Compact Size
- Relay outputs and inputs for integrating with Programmable Logic Controllers (PLC)
- Stand alone unit adaptable to plug into existing display panel
- Cal-Smart™ Technology provides automatic calibration, no user intervention required
- Flow-Smart™ Technology provides automatic flow detection
- Direct sampling of filling chamber
- RS-232 or RS-485 interface
- Electrochemical oxygen sensor
- 4-20mA analog output for oxygen concentration
- Low / High oxygen alarms (optional)
- Plugged line alarm



Tel.: (+34) 902 450 160  
 Fax: (+34) 902 433 088  
[ermec@ermec.net](mailto:ermec@ermec.net)  
[www.ermec.net](http://www.ermec.net)

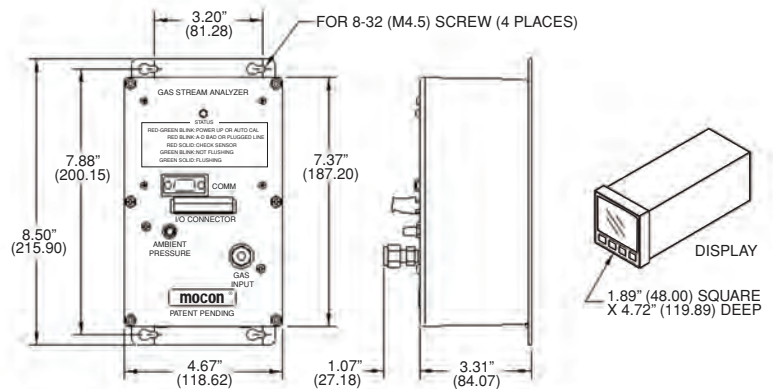
# mocon®

Providing instruments & services  
 specializing in gas detection, analysis,  
 & control for over 40 years.

# Typical MAP applications where this system would be effective.

- Meat
- Poultry
- Pork
- Fish
- Combinations products
- Fresh pasta
- Bakery products
- Dairy
- Produce
- Beverages
- Pharmaceutical

## GSA 102 D Specifications



### Oxygen

Concentration Range	0 - 100%
Resolution	0.01%
Temperature Compensation	Yes
Pressure Compensation	Yes
Accuracy	±0.1% absolute or 2% of value, whichever is greater
Ambient Temperature Range	5° - 40° C
Ambient Pressure Range	700 to 800 mm Hg
Ambient Humidity	0 to 95% non-condensing

### Display

Format	4 Digit, 7 Segment LED
Color	Red

### Outputs

Relay Outputs	1) Normally open/normally closed 2) Low O <sub>2</sub> % Alarm 3) High O <sub>2</sub> % Alarm
Amperage Rating	<2 Amps

### Alarms

Low Oxygen Percentage Alarm	0.00 to 99.99%
High Oxygen Percentage Alarm	0.00 to 99.99%

### Certification Marks

USA	UL
CE	Europe

### Protection

IEC IP66 (NEMA 4x)	Front Panel
--------------------	-------------

### MOCON Commitment

This new system is another example of MOCON's 40 year commitment to innovation and quality in the design of oxygen analyzing testing systems.

MOCON is a registered trademark and GSA, Cal-Smart and Flow-Smart are trademarks of MOCON. Copyright © 2008 MOCON, Inc.

MOCON reserves the right to change specifications without notice as part of our continuous program of product improvement.



Equipos de control de calidad

Tel.: (+34) 902 450 160  
Fax: (+34) 902 433 088  
[ermec@ermec.net](mailto:ermec@ermec.net)  
[www.ermec.net](http://www.ermec.net)

# mocon®

7500 Boone Ave. N  
Minneapolis, MN 55428  
Telephone: 763.493.6370  
Fax: 763.493.6358

Visit us on the web  
[www.mocon.com](http://www.mocon.com)

Made in USA