

## ► Oxybaby

### Gas analyzer for modified atmosphere packaging – MAP



#### ► Major benefits

- Minimum sample gas requirement
- Cordless operation using rechargeable batteries
- Large illuminated graphic display - multilingual menu
- Simple one hand operation
- Data-logging of last measurements
- Flow control with blocked needle alarm
- Integrated needle cover to protect the user
- Easy to clean and low maintenance costs



#### ► Options

- Stainless steel table-rack
- Hose with LUER-lock connection for stationary measurement

### Operations

**O2 or O2/CO2 OXYBABY®** portable analyzer for modified atmosphere packaging (MAP) monitoring: a whole range of devices to perform swift and accurate sample tests near packaging machines, storage areas or control laboratories.

**OXYBABY® M+** or **OXYBABY® 6.0** series are alternative solutions to tabletop or fixed analyzers for food packaging.

Fast monitoring in any place enables analysis of critical points to enhance the sanitary safety of food products.

(HACCP: Hazard Analysis Critical Control Point).



#### ► Options (OXYBABY® 6.0 only)

- Data cable
- Integrated Barcode-Scanner
- Bluetooth for separate printer connection

#### ► Complete in carrying case

- Charging device
- CD-ROM with:
  - OBCC-Software (*demo-version*)
  - operating instructions
- 2 spare needles
- 2 spare filters
- Set of 100 rubber seals
- Case dimensions (HxWxD): approx. 325x385x115 mm
- Case weight: approx. 1.7 kg





OXYBABY® M+ standard version		OXYBABY® 6.0 version premium			
for O <sub>2</sub>	for O <sub>2</sub> /CO <sub>2</sub>	for O <sub>2</sub>	for O <sub>2</sub> /CO <sub>2</sub>		
•		•		Gas	O <sub>2</sub> balance gas: N <sub>2</sub> or Ar ( <i>others on request</i> )
	•		•		O <sub>2</sub> and/or CO <sub>2</sub> balance gas: N <sub>2</sub> , or Ar ( <i>others on request</i> )
•	•	•	•	Measuring principle O <sub>2</sub>	electrochemical sensor ( <i>2 year lifetime at 20°C</i> )
	•		•	Measuring principle CO <sub>2</sub>	IR absorption ( <i>long lifetime</i> )
•	•	•	•	Measuring range	0–100% in 0.01%-steps
•	•			Sample gas requirement	< 10 ml
		•			O <sub>2</sub> < 2 ml
			•		O <sub>2</sub> /CO <sub>2</sub> < 6 ml
		•		Sample time	max. 6 sec.
•	•		•		max. 10 sec.
•	•	•	•	Calibration	simple two point calibration
•	•	•	•	Sampling	automatic via needle using integrated pump
•	•			Data log	last 100 measurements
		•	•		last 500 measurements
		•	•	Communication	USB port – OBCC software
•	•	•	•	Temperature ( <i>gas/environment</i> )	5 – 40 °C
•	•	•	•	Display	backlit
•	•	•	•	Shut down	automatic after 2 minutes without any use
•	•	•	•	Housing	shock resistant plastic
•	•			Weight	approx. 600 g ( <i>without accessories</i> )
•	•	•	•	Dimensions ( <i>HxWxD</i> )	187 x 106 x 91 mm ( <i>without needle</i> )
•	•	•	•	Power supply	3 integrated rechargeable batteries ( <i>charging device included</i> )
•	•	•	•	Charging device	110–240 V AC
•	•	•	•	Certification	Company certified according to ISO 9001 and ISO 22000 CE-marked according to: EMC 2014/30/EU Regulation (EC) No 1935/2004

## Calibration gas



Air Products Freshline® gases are used extensively in food packaging to extend shelf life for a diverse range of products from salads and cheeses, to meats and bakery products, and many others.

The most common mixtures used in MAP headspace analysis are available as standard products with no minimum order quantities and are compliant with ISO 11118 & EN13340.

Canister specification	110 L	Product code	Mixture	Disposable Canister
Water capacity	1.7 liters	<b>321075</b>	30 % Carbon Dioxide // Nitrogen	110 L
Pressure	69 bar	<b>344391</b>	50 % Carbon Dioxide // Nitrogen	110 L
Dimensions ( <i>height x diameter</i> )	364 mm x 88 mm	<b>323432</b>	18 % Carbon Dioxide // Argon	110 L
Empty weight	1014 g	<b>313165</b>	0.8 % Oxygen // Nitrogen	110 L
Valve outlet	5/8" ( <i>18 UNF C10</i> )	<b>197140</b>	100 % Nitrogen ( <i>5.0 Grade</i> )	110 L
Material	Aluminium alloy	<b>197136</b>	100 % Carbon Dioxide ( <i>3.0 Grade</i> )	110 L