GAS ANALYZER OXYBABY® M+
for O_2 or O_2/CO_2 – standard version

Cordless handheld oxygen or combined oxygen/carbon dioxide analyzer for checking modified atmospheres in food packaging (MAP). The ideal instrument for portable, fast and accurate sample tests at the packaging machine, in stores or in laboratories.

OXYBABY® M+: a cost-effective, mobile alternative to tabletop/fixed analyzers.

Ensure that the quality of your packaged product is maintained (HACCP), guaranteeing continued customer satisfaction.

OXYBABY® M+ is the ideal instrument for sample tests, requiring only a minimal amount of sample gas, allowing even the smallest of MAP packages to be tested.

Featuring an integrated data log of the last 100 measurements assigned to specific product names or line numbers.

Benefits

- minimal sample gas requirement for testing even the smallest packages

- cordless operation using rechargeable batteries

- simple one-hand operation

- sample flow control with warning in case of blocked needle

- easy to clean

- large illuminated graphic display

- measurement alternatively also by hose

- multilingual menu guide: see overleaf

- integrated needle cover to protect needle and user

- long lifetime of O_2 sensor (approx. 2 years)

- low maintenance costs

Complete in carrying case

- charging device and adaptor set

- CD-ROM with operating instructions

- 2 spare needles

- 2 spare filters

- set of 100 rubber seals

- case dimensions (HxWxD):
  approx. 12.79 x 15.16 x 4.53 inches
  case weight: approx. 3.75 lb

further information on www.oxybaby.com

►Video

OXYBABY® M+ O_2 - Part No. 590000313

OXYBABY® M+ O_2/CO_2 - Part No. 590000305

Options

- hose with Luer-Lok connection for stationary measurement

- can/bottle piercer

- table rack/stand

❗ Please note our variety of accessories on the following pages

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OXYBABY® M+ O_2	OXYBABY® M+ O_2/CO_2		
●	●	**Gases**	O_2 balance gas: N_2, (Ar or others upon request)
	●		O_2 and/or CO_2 balance gas: N_2, (Ar or others upon request)
●	●	**Measuring principle O_2**	electrochemical cell
	●	**Measuring principle CO_2**	IR-absorption
●	●	**Sensor lifetime O_2**	approx. 2 years (in air at 68°F)
	●	**Sensor lifetime CO_2**	long lifetime
●	●	**Measuring range**	0-100%; in 0.1%-steps
●	●	**Sample gas requirement**	< 10 ml
●	●	**Sample time**	max. 10 sec.
●	●	**Calibration**	simple two-point calibration
●	●	**Sampling**	automatic via needle using integrated pump
●	●	**Data log**	last 100 measurements assignment of measurements to different product names or line numbers
●	●	**Multilingual**	German, English, French, Italian, Dutch, Swedish, Finnish, Spanish, Polish and Russian
●	●	**Temperature (gas/environment)**	41 – 104°F
●	●	**Display**	backlit
●	●	**Shut down**	automatic after 2 minutes of non-use
●	●	**Housing**	shock-resistant plastic
●	●	**Weight**	approx. 1.32 lb (without accessories)
●	●	**Dimensions (HxWxD)**	7.4 x 4.2 x 3.6 inches (without needle)
●	●	**Power supply**	3 integrated rechargeable batteries (charging device included)
●	●	**Charging device**	110 – 240 V AC
●	●	**Approvals**	Company certified according to ISO 9001 and ISO 22000 CE-marked according to: - EMC 2004/108/EC - Low Voltage Directive 2006/95/EC for food-grade gases according to: - Regulation (EC) No 1935/2004 Cleaned for Oxygen Service according to: - EIGA IGC Doc 13/12/E: Oxygen Pipeline and Piping Systems

www.wittgas.com

OXYBABY® Table rack/stand

This stabile and stable table rack/stand from stainless steel is ideal for use OXYBABY® as table top version.

Connector tube with Luer-Lok-connection is available for connection with OXYBABY®.

The table rack/stand is suitable for all OXYBABY® models and has two deposits for needles.
It is also usable as support.

Integrated barcode-reader

If you mark the data by barcode it's possible to receive an integrated barcode-reader for easily and quick data logging of inspector, product and packaging line for your OXYBABY® 6.0.

Only available for OXYBABY® 6.0.

Bluetooth table printer

Select Bluetooth equipment for your OXYBABY® 6.0 and print wireless directly on-site your results of measurement via small and handy table printer.

Practical, quick and easily.

Other models, options and accessories available upon request.

ACCESSORIES OXYBABY®
for bottles, cans and mini packaging

OXYBABY® Can Piercer

The OXYBABY® Can Piercer is essential for head space analysis of bottles and cans.

Safe interlocking and easy handling guarantees optimal quality controls also for bottles and cans with metal or plastic caps.

The Can Piercer can be adjusted up to 15 inches maximum bottles - or cans height. The integrated needle protection and robust needles prevents needle breakage.

Material: steel

Weight: 16.6 lb (without OXYBABY®)

Dimensions (HxWxD): 23 x 6.1 x 9.3 inches (packed, without OXYBABY®)

Suitable for OXYBABY® M+ and OXYBABY® 6.0.

OXYBABY® Aquacheck

OXYBABY® Aquacheck is ideal for mini packages lower 2 ml sample gas volume.

The gas volume from two or more packages is collected in the water and analysable by the OXYBABY®.

Material: stainless steel

The OXYBABY® Aquacheck is available with and without water container.

Suitable for OXYBABY® M+ and OXYBABY® 6.0.

Other models, options and accessories available upon request.

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Can Piercer: Application in practice

Part No.	Needle length in inches	Hight of bottles, cans in inches	Bottle holder	Overpressure	Pressure regulator w. ball valve and gauge 0.1 - 0.7 bar	Calibration module + flow regulator *	Gauge 0 - 6 bar	Conversion possible	Application	Device
590000156	0.22	106.3		x <14.5 psi(g)				x	beverage cans (without gas / without overpressure), eg. juice	OXYBABY®
590000165	0.33	106.3	x	x >14.5 psi(g)				x	bottles, bevarage cans (with gas / with overpressure), eg. Cola, mineral water	OXYBABY®
590000166	0.33	153.6	x	x >14.5 psi(g)				x	bottles, beverage cans (with gas / with overpressure), eg. Cola, mineral water	OXYBABY®
590000325	0.73	153.6	x	x >14.5 psi(g)				x	bottles, beverage cans (with gas / with overpressure), eg. Cola, mineral water	OXYBABY®
590000239	0.22	106.3		x >14.5 psi(g)	x	x		x	bottles, beverage cans (with gas / with very high over-pressure, sparkling)	OXYBABY® without pump
590000341	0.22	153.6	x	0 - 58 psi			x	x	bottles, beverage cans	no OXYBABY® connection, only pressure measurement

*to prevent the OXYBABY® from damage by too high overpressure, too high flow rate, the calibration module has to be connected between calibration gas / zero gas and OXYBABY®.
To obtain clear results we adjust a pressure of 7.25 psi and a flow rate of approx. 100 ml/min.

Attention:
The correct model of the required Can-Piercer type is dependent on
- the kind of liquid to be analysed,
- the available overpressure in the bottles / cans,
- the volume of the available headspace of the bottles / cans,
- the thickness of the caps / can walls

Our recommendations:

Case	Application	Example	Recommendation
1	for beverages containing gas	cola, mineral water, lemonades, beer, etc.	590000165, 590000166 or 590000325
2	for beverages, free of gas	juices, wine, water mixtures, etc.	590000156
3	EXTREME CASE: for beverages containing gas	with very high overpressure, small volume in the head space of the cans / bottles and / or very strongly sparkling	590000239
4	for sole pressure measurement	from a can or bottle	590000341

Retrofit components and spare parts:

Bottle holder	956721800
Tubular extension for CAN-Piercer	802128600
Can-Piercer holder (needle 0.73 inches)	956864800
Can-Piercer holder (needle 0.33 inches)	956722000
Can-Piercer holder (needle 0.22 inches)	956674900
Can-Piercer holder (pressure measurement)	956883600
Needle connection with filter and RV	956721700
Hose	800707500
Luer-Lock connection female	800420800