

GAS ANALYSER OXYBABY® M+

for O₂ or O₂/CO₂ – standard version



Cordless hand held oxygen or combined oxygen and carbon dioxide analyser for checking modified atmospheres in food packs. The ideal instrument for portable, faster and accurate sample tests at the packaging machine, in stores or in laboratories.

OXYBABY® M+ a cost effective mobile alternative to tabletop / fixed analysers.

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

The ideal instrument for sample tests with a minimum sample gas requirement, allowing the smallest of modified atmosphere packages (MAP) to be tested.

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



Benefits

- minimum sample gas requirement for smallest packs
- cordless operation using rechargeable batteries
- simple one hand operation
- easy to clean
- large illuminated graphic display
- measurement alternatively also by hose
- multilingual menu guide: German, English, French, Italian, Dutch, Swedish, Finnish, Spanish, Polish and Russian
- integrated needle cover to protect the user
- long lifetime of O₂ sensor (approx. 2 years, depending on use)
- low maintenance costs

Complete in carrying case

- charging device and mains adaptor
- 2 spare needles
- 2 spare filters
- set of 100 rubber seals
- case dimensions (HxWxD): approx. 325x385x115 mm (12.79x15.16x4.53 inch), case weight: approx. 1.7 kg



Options

- hose with Luer-Lok connection for stationary measurement

! Please note our variety of accessories on the following pages

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OXYBABY® M+ O₂
OXYBABY® M+ O₂/CO₂

•	Gases	O ₂ balance gas: N ₂ , (Ar or others on request) O ₂ and/or CO ₂ balance gas: N ₂ , (Ar or others on request)
•	• Measuring principle O₂	electrochemical cell
•	• Measuring principle CO₂	IR-absorption
•	• Sensor lifetime O₂	approx. 2 years (in air at 20 °C / 68 °F)
•	• Sensor lifetime CO₂	long lifetime
•	• Measuring range	0–100%
•	•	O ₂ in 0.01%-steps CO ₂ 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)	0 – 40 °C (32 – 104 °F)
•	• Display	backlit
•	• Shut down	automatic after 2 minutes of non-use
•	• Housing	shock resistant plastic
•	• Weight	approx. 600 g (without accessories)
•	• Dimensions (HxWxD)	187 x 106 x 91 mm (7.4 x 4.2 x 3.6 inches) (without needle)
•	• Power supply	3 integrated rechargeable batteries, type Ni-MH (mains adaptor + charging device included)
•	• Charging device	110 – 240 V AC
•	• Approvals	Company certified according to ISO 9001 and ISO 22000 CE-marked according to: - EMC 2014/30/EU - Low Voltage Directive 2014/35/EU for food-grade gases according to: - Regulation (EC) No 1935/2004 Designed for Oxygen Service in accordance with EIGA 13/20 and CGA G-4.4: Oxygen Pipeline and Piping Systems Cleaned for Oxygen Service in accordance with EIGA 33/18 and CGA G-4.1: Cleaning of Equipment for Oxygen Service

GAS ANALYSER OXYBABY®

Accessories



OXYBABY® Table stand

This stabile and stable table 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 height-adjustable table stand has a magnetic holder for easy handling and one deposit for a needle.

It is suitable for all OXYBABY® models and 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 packages



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 390 mm maximum bottles - or cans height. The integrated needle protection and robust needles prevents needle breakage.

Material: steel

Weight: 7,5 kg (without OXYBABY®)

Dimensions (HxWxD): 585 x 155 x 235 mm (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.

ACCESSORIES OXYBABY®

for bottles, cans and mini packages



Can-Piercer: Application in practice

Order-No.	Needle length in mm	Hight of bottles, cans	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	5.5 mm	270 mm		x <1 bar(g)				x	beverage cans (without gas / without overpressure), eg. juice	OXYBABY®
590000165	8.5 mm	270 mm	x	x >1 bar(g)				x	bottles, bevarage cans (with gas / with overpressure), eg. Cola, mineral water	OXYBABY®
590000166	8.5 mm	390 mm	x	x >1 bar(g)				x	bottles, beverage cans (with gas / with overpressure), eg. Cola, mineral water	OXYBABY®
590000325	18.5 mm	390 mm	x	x >1 bar(g)				x	bottles, beverage cans (with gas / with overpressure), eg. Cola, mineral water	OXYBABY®
590000341	5.5 mm	390 mm	x	0 - 4 bar			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 0.5 bar 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	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 18.5 mm)	956864800
Can-Piercer holder (needle 8.5 mm)	956722000
Can-Piercer holder (needle 5.5 mm)	956674900
Can-Piercer holder (pressure measurement)	956883600
Needle connection with filter and RV	956721700
Hose	800707500
Luer-Lock connection female	800420800