

# GAS ANALYZER OXYBABY® 6.0

for O<sub>2</sub> or O<sub>2</sub>/CO<sub>2</sub>



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

OXYBABY® 6.0: the advanced model for modified atmosphere packaging (MAP) and a cost-effective, mobile alternative to tabletop/fixed analyzers. It offers all of the benefits of modern technology quickly and easily as options. For example: Bluetooth for wireless communication and an integrated barcode reader.

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

OXYBABY® 6.0 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.

Includes measurement of the package's internal gas pressure.

Together with the exclusive OBCC software (optional), measured results can be documented, providing complete traceability (HACCP).

Provide your customer with the results, ensuring that your product has the best possible packaging quality.

## Benefits

- minimal sample gas requirement for testing even the smallest packages
- integrated data log of the last 500 measurements
- product administration up to 25 users, 100 product names and 50 packaging lines
- increased memory capacity and simplified data export of measurement results by microSD card
- indication of package's internal pressure
- indication of carrier gas proportion
- cordless operation using rechargeable batteries
- data transfer and charge of batteries via USB port
- faster workflow by an optional integrated bar code scanner for product data
- sample flow control with warning in case of blocked needle
- upgraded simple one-hand operation
- measurement alternatively also by hose
- easy to clean
- large illuminated graphic display
- multilingual menu guide: see overleaf
- integrated needle cover to protect needle and user
- long lifetime of O<sub>2</sub> sensor (approx. 2 years)
- low maintenance costs

## Complete in carrying case

- charging device and adapter set
- data cable, microSD card
- OBCC software (demo version) for downloading
- 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

## Options

- hose with Luer-Lok connection for stationary measurement
- barcode-reader - integrated into OXYBABY®
- Bluetooth for OXYBABY® - integrated into OXYBABY®
- Bluetooth adapter for PC
- Bluetooth printer
- OBCC software license
- can/bottle piercer
- table rack/stand

**Please note our variety of accessories on the following pages**



further information on  
[www.oxybaby.com](http://www.oxybaby.com)

► Video

OXYBABY® 6.0 O<sub>2</sub> - Part No. 590000311

OXYBABY® 6.0 O<sub>2</sub>/CO<sub>2</sub> - Part No. 590000282

## Skills of OXYBABY® 6.0

(compared to OXYBABY® M+) :

- ✓ minimal sample gas requirement (from 2ml up)
- ✓ complex administration
- ✓ five times larger data log
- ✓ data export and analysis software
- ✓ smart handling with key panel and display ,pro'
- ✓ Bluetooth and Barcode-Reader by option

# GAS ANALYZER OXYBABY® 6.0

for O<sub>2</sub> or O<sub>2</sub>/CO<sub>2</sub>



OXYBABY® 6.0 O<sub>2</sub>  
OXYBABY® 6.0 O<sub>2</sub>/CO<sub>2</sub>

•	<b>Gases</b>	O <sub>2</sub> balance gas: N <sub>2</sub> , (Ar or others upon request) O <sub>2</sub> and/or CO <sub>2</sub> balance gas: N <sub>2</sub> , (Ar or others upon request)
•	<b>Measuring principle O<sub>2</sub></b>	electrochemical cell
•	<b>Measuring principle CO<sub>2</sub></b>	IR-absorption
•	<b>Sensor lifetime O<sub>2</sub></b>	approx. 2 years (in air at 68°F)
•	<b>Sensor lifetime CO<sub>2</sub></b>	long lifetime
•	<b>Measuring range</b>	0-100%
•		O <sub>2</sub> in 0.01%-steps CO <sub>2</sub> in 0.1%-steps
•	<b>Sample gas requirement</b>	O <sub>2</sub> < 2 ml O <sub>2</sub> /CO <sub>2</sub> < 6 ml
•	<b>Sample time</b>	max. 6 sec. max. 10 sec.
•	<b>Calibration</b>	simple two-point calibration
•	<b>Sampling</b>	automatic via needle using integrated pump
•	<b>Data log</b>	last 500 measurements interface for transfer of logged data assignment of measurements to different product names
•	<b>Communication</b>	USB port, microSD card
•	<b>Software</b>	OBCC
•	<b>Multilingual</b>	German, English, French, Italian, Dutch, Swedish, Finnish, Spanish, Polish, Russian, Turkish and Hungarian (more to follow)
•	<b>Temperature (gas/environment)</b>	32 – 104°F
•	<b>Display</b>	backlit
•	<b>Shut down</b>	automatic after 2 minutes of non-use
•	<b>Housing</b>	shock-resistant plastic
•	<b>Weight</b>	approx. 1.28 lb (without accessories)
•	<b>Dimensions (HxWxD)</b>	7.4 x 4.2 x 3.6 inches (without needle)
•	<b>Power supply</b>	3 integrated rechargeable batteries, type Ni-MH (charging device included)
•	<b>Charging device</b>	110-240 V AC
•	<b>Approvals</b>	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  Cleaned for Oxygen Service according to: - EIGA IGC Doc 13/12/E: Oxygen Pipeline and Piping Systems

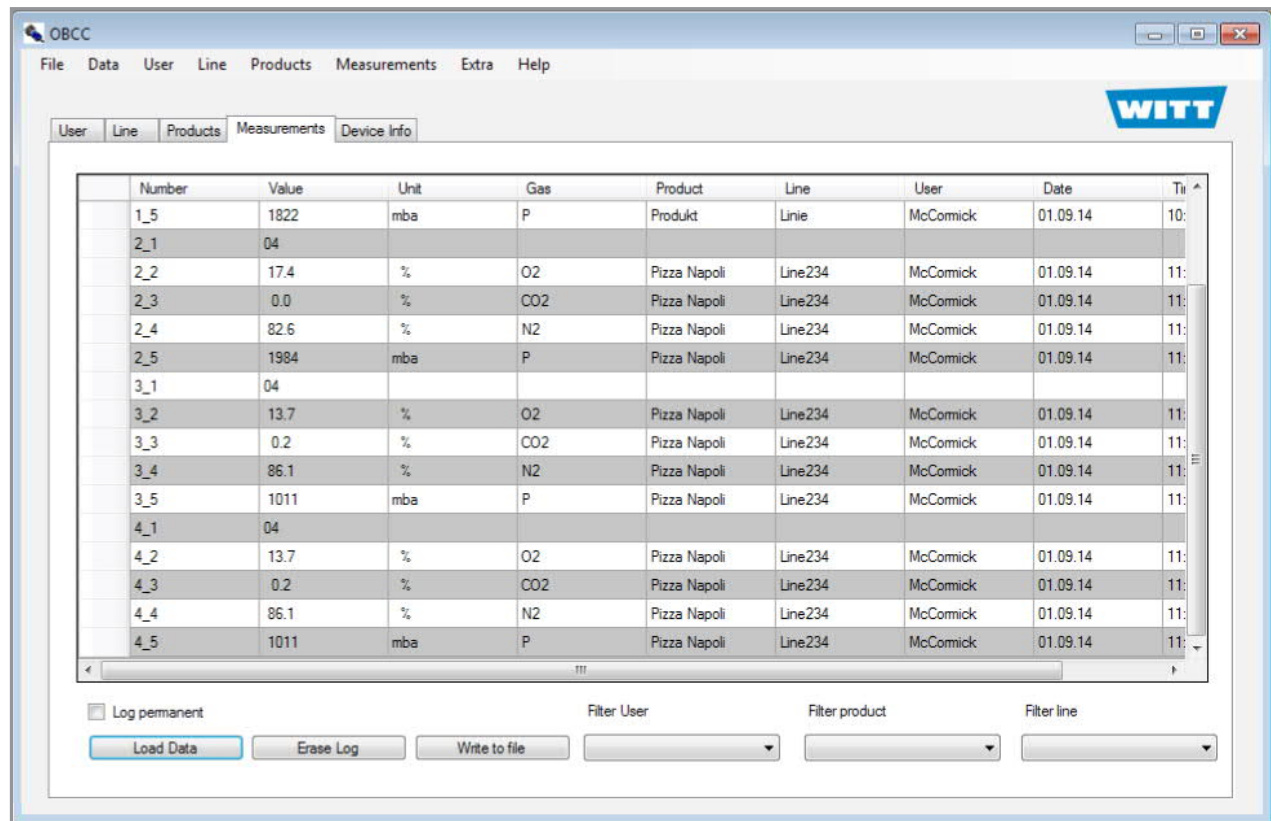
Windows software for the documentation of analysis-results of OXYBABY® 6.0, OXYBABY® P 6.0, OXYBABY® Med and PA 7.0.

You can find a demo version of WITT analysis software includes with your OXYBABY® respectively PA. In case of acquisition the unlock key you can use the OBCC for documentation your measured results. So you can offer your customers a complete documentation of your quality control and guaranteed continued customer satisfaction.



### Benefits

- quality control by means of data recording and storing with date and time
- individual product administration of article no., lot no., product name, test data and also examiner
- data-export interface for further read-out of the measured data in MS EXCEL®
- multilingual interface
- administration of product names
- options of choice:
  - user
  - products
  - lines
  - measurements



The screenshot shows the OBCC software window with a menu bar (File, Data, User, Line, Products, Measurements, Extra, Help) and a toolbar (User, Line, Products, Measurements, Device Info). The main area contains a table with the following data:

Number	Value	Unit	Gas	Product	Line	User	Date	Tr
1_5	1822	mba	P	Produkt	Linie	McCormick	01.09.14	10:
2_1	04							
2_2	17.4	%	O2	Pizza Napoli	Line234	McCormick	01.09.14	11:
2_3	0.0	%	CO2	Pizza Napoli	Line234	McCormick	01.09.14	11:
2_4	82.6	%	N2	Pizza Napoli	Line234	McCormick	01.09.14	11:
2_5	1984	mba	P	Pizza Napoli	Line234	McCormick	01.09.14	11:
3_1	04							
3_2	13.7	%	O2	Pizza Napoli	Line234	McCormick	01.09.14	11:
3_3	0.2	%	CO2	Pizza Napoli	Line234	McCormick	01.09.14	11:
3_4	86.1	%	N2	Pizza Napoli	Line234	McCormick	01.09.14	11:
3_5	1011	mba	P	Pizza Napoli	Line234	McCormick	01.09.14	11:
4_1	04							
4_2	13.7	%	O2	Pizza Napoli	Line234	McCormick	01.09.14	11:
4_3	0.2	%	CO2	Pizza Napoli	Line234	McCormick	01.09.14	11:
4_4	86.1	%	N2	Pizza Napoli	Line234	McCormick	01.09.14	11:
4_5	1011	mba	P	Pizza Napoli	Line234	McCormick	01.09.14	11:

At the bottom of the window, there are controls for logging and filtering:

- Log permanent
- Filter User: [Dropdown]
- Filter product: [Dropdown]
- Filter line: [Dropdown]
- Buttons: Load Data, Erase Log, Write to file

### System requirements

- Operating system** WINDOWS® XP, 7 or above
- Hardware** 1 free USB interface, graphic resolution min. 1024 x 768 Pixel
- Software** Microsoft.NET Framework, min. Version 2.0  
OXYBABY® 6.0 USB driver
- Compatibility** OXYBABY® 6.0, OXYBABY® P 6.0, OXYBABY® Med, PA 7.0,  
– please specify device number with order –
- Accessories** USB connecting cable included in delivery

# GAS ANALYZER OXYBABY®

## Accessories



### OXYBABY® Table rack/stand

This stable 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 analyzable 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 packaging



## 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	>14.5 psi(g)				x	bottles, bevarage cans (with gas / with overpressure), eg. Cola, mineral water	OXYBABY®
590000166	0.33	153.6	x	>14.5 psi(g)				x	bottles, beverage cans (with gas / with overpressure), eg. Cola, mineral water	OXYBABY®
590000325	0.73	153.6	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 overpressure, 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