

GAS ANALYZER OXYBABY® 6.0

for O₂ or O₂/CO₂



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.

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
- 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 O₂ sensor (approx. 2 years, depending on use)
- low maintenance costs

Complete in carrying case

- charging device and adapter set
- data cable, microSD card
- OBCC software (demo version) for downloading
- 15 spare needles
- 5 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
- 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

▶ Video

OXYBABY® 6.0 O₂ - Part No. 590000311

OXYBABY® 6.0 O₂/CO₂ - 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 by option

GAS ANALYZER OXYBABY® 6.0

for O₂ or O₂/CO₂



OXYBABY® 6.0 O₂
OXYBABY® 6.0 O₂/CO₂

| | | |
|---|---|---|
| • | 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 O₂ | electrochemical cell |
| • | Measuring principle CO₂ | IR-absorption |
| • | Sensor lifetime O₂ | approx. 2 years (in air at 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 | O ₂ < 2 ml O ₂ /CO ₂ < 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 500 measurements interface for transfer of logged data assignment of measurements to different product names |
| • | Communication | USB port, microSD card |
| • | Software | OBCC |
| • | Multilingual | German, English, French, Italian, Dutch, Swedish, Finnish, Spanish, Polish, Russian, Turkish and Hungarian (more to follow) |
| • | Temperature (gas/environment) | 32 – 104°F |
| • | Display | backlit |
| • | Shut down | automatic after 2 minutes of non-use |
| • | Housing | shock-resistant plastic |
| • | Weight | approx. 1.28 lb (without accessories) |
| • | Dimensions (HxWxD) | 7.4 x 4.2 x 3.6 inches (without needle) |
| • | Power supply | 3 integrated rechargeable batteries, type Ni-MH (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 |

OBCC

Software for gas analyzer OXYBABY® / PA



Windows-Software for OXYBABY® 6.0, OXYBABY® P 6.0, OXYBABY® Med and PA 7.0.

OBCC is the ideal complement for your WITT-Gas analyzer - with modern surface, clearly structured and conveniently operable.

The application offers rapid graphical analysis of measured values. Simplify a system comprehensive data management and offers an uncomplicated export function for the complete digital storage.



Benefits

- modern, clearly structured user interface
- intuitive operation
- simple set up and administration of master data (products, user, packaging lines)
- quality control by means of data recording and storing with date and time
- the graphical presentation of measured values offers a fast overview
- knowledge by data analysis tool with filter options
- completely digital documentation by simple CSV export function
- 1 click generate PDF report for assurance of proof (in addition to the CSV export)
- time-saving by convenient data management and easy transfer of master data to new devices
- available menu languages: English, German, French, Italian, Spanish, Portuguese, Polish, Russian, Finnish, Swedish, Turkish, Romanian, Hungarian

30-day trial version with full function for download on www.wittgas.com

The screenshot shows the OBCC software interface. On the left, there is a sidebar with navigation icons. The main area is divided into several sections:

- Device information:** Shows manufacturer (WITT-Gasetechnik GmbH), model (OXYBABY 6), and serial number (955495). It also includes buttons for O₂, CO₂, and N₂.
- User and Line selection:** Two lists with search and refresh icons. The User list includes L. Grande, G. Morales, F. Jameson, P. Pirro, and A. Antras. The Line list includes 12, 15, 9, 2, and 7.
- Product list:** A list of products with their EAN numbers, including Mortadella, Salami, Prosciutto crudo, Salame piccante, Formaggio affettato, Salsiccia, and Pollo aff.
- Last measurement:** A section with four gauges for O₂ (0.12%), CO₂ (29.9%), N₂ (69.98%), and Pressure (980 mbar).
- Last 10 measurements:** A line graph showing trends for O₂, CO₂, and N₂ over time.
- Data Table:** A table with columns for O₂, CO₂, N₂, User, Product, Line, and Date. It contains 10 rows of measurement data.

System requirements

Operating system

WINDOWS® 7 or above

Hardware

1 free USB interface, graphic resolution min. 1024 x 768 Pixel

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 height-adjustable table-rack 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.



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 15.4 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 | 10.6 | | x <14.5 psi(g) | | | | x | beverage cans (without gas / without overpressure), eg. juice | OXYBABY® | |
| 590000165 | 0.33 | 10.6 | x | x >14.5 psi(g) | | | | x | bottles, bevarage cans (with gas / with overpressure), eg. Cola, mineral water | OXYBABY® | |
| 590000166 | 0.33 | 15.4 | x | x >14.5 psi(g) | | | | x | bottles, beverage cans (with gas / with overpressure), eg. Cola, mineral water | OXYBABY® | |
| 590000325 | 0.73 | 15.4 | x | x >14.5 psi(g) | | | | x | bottles, beverage cans (with gas / with overpressure), eg. Cola, mineral water | OXYBABY® | |
| 590000341 | 0.22 | 15.4 | 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 | 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 |