

GAS ANALYSER OXYBABY® 6.0

for O₂ or O₂/CO₂ – premium 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® a cost effective mobile alternative to tabletop / fixed analysers for welding and food technology.

It offers all benefits of modern technology quickly and easily by option. For example: Bluetooth for wireless communication and an integrated barcode reader.

Ensure that the quality of packaged product is maintained (HACCP), guaranteed 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.

Information of internal pressure in the package via pressure indication.

Together with the exclusive OBCC-Software the measured results can be documented providing complete traceability (HACCP). Provide your customer with the results ensuring that your product has the best possible pack quality.

Benefits

- minimum sample gas requirement for smallest packs
- integrated data log of the last 500 measurements
- product administration up to 25 users, 100 product names and 50 packaging lines
- alternatively a pressure indication can be selected
- 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
- integrated needle cover to protect the needle and user
- long lifetime of O₂ sensor (approx. 2 years)
- low maintenance costs

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 (12.79x15.16x4.53 inches), case weight: approx. 1.7 kg

Options

- hose with Luer-Lok connection for stationary measurement
- data cable
- integrated Barcode-Scanner
- Bluetooth (e.g. for separate printer)

Please note our variety of accessories on the following pages



further information on
www.oxybaby.com

► Video

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-Scanner by option

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OXYBABY® 6.0 O₂
 OXYBABY® 6.0 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 | 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) | 0 – 40 °C (32 – 104 °F) |
| • | • Display | backlit |
| • | • Shut down | automatic after 2 minutes of non-use |
| • | • Housing | shock resistant plastic |
| • | • Weight | approx. 580 g (without accessories) |
| • | • Dimensions (HxWxD) | 187 x 106 x 91 mm (7.4 x 4.2 x 3.6 inch) (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 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 und 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
- Buttons: Load Data, Erase Log, Write to file
- Filter User, Filter product, Filter line (dropdown menus)

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 ANALYSER OXYBABY®

Accessories



OXYBABY® Table-rack

This stable and stable table-rack 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 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 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 cm | | x <1 bar(g) | | | | x | beverage cans (without gas / without overpressure), eg. juice | OXYBABY® |
| 590000165 | 8.5 mm | 270 cm | x | x >1 bar(g) | | | | x | bottles, bevarage cans (with gas / with overpressure), eg. Cola, mineral water | OXYBABY® |
| 590000166 | 8.5 mm | 390 cm | x | x >1 bar(g) | | | | x | bottles, beverage cans (with gas / with overpressure), eg. Cola, mineral water | OXYBABY® |
| 590000325 | 18.5 mm | 390 cm | x | x >1 bar(g) | | | | x | bottles, beverage cans (with gas / with overpressure), eg. Cola, mineral water | OXYBABY® |
| 590000239 | 5.5 mm | 270 cm | | x >1 bar(g) | x | x | | x | bottles, beverage cans (with gas / with very high overpressure, sparkling) | OXYBABY® without pump |
| 590000341 | 5.5 mm | 390 cm | 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 | 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 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 |