

Focus on freshness
guarantee – with
gas analyzers from WITT.
Keyword: HACCP



»GASES RIGHT? PACKAGE TIGHT?«

MARTIN BENDER: MANAGING DIRECTOR – WITT-GASETECHNIK

OXYBABY® 6.0

Cordless hand held gas analyzer for mobile sample testing of O₂, CO₂ or O₂ and CO₂

1 Graphic display

- O₂ results in 0.01 % steps
- Illuminated LCD display
- Displayed information:*
- Results O₂/CO₂
- Product name
- Date/time of last measurement
- Charging status
- Memory status
- Sample-hold or permanent measurement
- Pressure inside the package



One-hand operation with data log

> INCLUDED IN DELIVERY

Complete in carrying case with:

- Charging device
- 2 spare needles
- 2 spare filters
- Set of 100 patches
- Case dimensions (H x W x D): approx. 12.79 x 15.16 x 4.53 inch (325 x 385 x 115 mm)
- Case weight: approx. 3.75 lbs (1.7 kg) incl. contents
- Detailed documentation (CD-ROM)

> Options (OXYBABY® 6.0 only):

- OBCC software
- Barcode reader
- Bluetooth (e.g. for separate printer)
- Separate printer
- Data cable



Portable mini-printer



2 Ergonomic design

3 Integrated pressure compensation

- Compensates for air pressure fluctuations

4 Automatic measuring after needle insertion

- Result in 6 seconds
- Sample flow control
- Needle cover to protect needle and user

5 Integrated micro gas pump

6 USB interface

- Data transfer
- Charging

7 Micro SD card

- Software upgrades

8 One-hand operation

Ready for operation immediately

- Calibration at the push of a button

9 Synthetic body

- Easy to clean
- Shock resistant

10 Integrated hydrophobic filter

- Protection against impurities and moisture



OXYBABY® 6.0 is a cost effective alternative to tabletop analyzers for checking modified atmosphere packaging (MAP) – for example in line with a HACCP system. Due to its minimum sample gas requirements the OXYBABY® allows even the smallest of modified atmosphere packages to be tested.

The cordless, easily manageable analyzer provides accurate and quick data. A special highlight to avoid wrong results: the permanent flow control with automatic alarm in the event of needle or filter blockage.

The high performance device allows the administration of up to 25 users and the classification of results for up to 100 product names and 50 packaging lines. Via the optional integrated barcode reader the user and product data can easily be read.

The OXYBABY® 6.0 is the perfect tool for fast and exact sample testing of O₂/CO₂ directly at the packaging machine, in stores and in the laboratory. Wherever results have to be recorded this ergonomic analyzer can be used. The optional Bluetooth interface offers all benefits of modern technology – wireless communication, fast and easy. For example to connect a printer.

The large data storage logs the last 500 results and allows long export intervals. In combination with the WITT software solution OBCC all results can be analyzed and documented on a PC. The data transfer is realized via USB port.

With this full documentation you can guarantee highest packaging quality and optimal freshness to your customers.

› **BENEFITS**

- For the smallest of packs – minimum sample gas required (approx. 2 ml)
- Fast test – result in 6 seconds
- O₂ value is displayed in 0.01% steps
- Long lifetime of O₂ sensor
- No incorrect results – flow control with alarm
- Easy to use with one-hand operation and intuitive menu
- All information at a glance via the large, illuminated graphic display
- Cordless operation using rechargeable batteries
- No need to hand write results – full digital documentation
- Integrated data log of the last 500 measurements
- Hygienic, easy to clean synthetic body
- USB port
- Just one device for many applications – Administration of up to 25 users and management of results for up to 100 products and 50 packaging lines
- Multilingual menu guide (D, UK, F, I, NL, S, FIN, E, PL, RUS, CN, H, TR)

› **OPTIONS**

- Wireless communication via Bluetooth (e. g. for connection of a separate printer)
- Barcode reader to import product and user data
- Version for pressurized sample gas with pressure controller
- Documented results with OBCC software
- Equipment for headspace analysis in cans/bottles (Can-Piercer)

The OXYBABY® from WITT – your perfect companion for mobile sample testing of food packages.

OXYBABY® M+

The basic model as a cost-effective alternative



› **BENEFITS**

- Proven one-hand operation with rechargeable battery
- Measuring time 10 seconds
- O₂ value is displayed in 0.01% steps
- Long lifetime of O₂ sensor
- Intuitive keypad for easy handling
- Compact display
- Data log of 100 results

› **OPTIONS**

- Equipment for headspace analysis in cans/bottles (Can-Piercer)
- Version for pressurized sample gas with pressure controller

MAPY 4.0

The multi-functional premium gas analyzer for guaranteed quality and control

1 Shapely, ergonomic design

- „red dot Award“
- Inclined display

2 Touch-screen

- Intuitive data and parameter entry
- No skilled personnel needed
- 5.7" LCD display
- 256 colours
- Resolution: 320 × 240 pixel

3 Stainless steel housing

- Easy to clean
- Splash proof

4 Needle

- Flow control with alarm
- Needle protector

5 Handhold

- For mobile use

6 USB connection

- Data transfer or software update via USB stick

Ethernet interface

- 7 Integration into company network
- Comfortable data administration and analysis
- Customer oriented quality documentation

8 Serial interface

9 Potential-free contact

10 Analogue output

11 Gas outlet

12 Gas inlet

13 Sensor

14 Integrated audible alarm



reddot design award



Multi-functional
with touch-screen

> USER INTERFACE

1 Graphical display of results

2 Numeric display of results

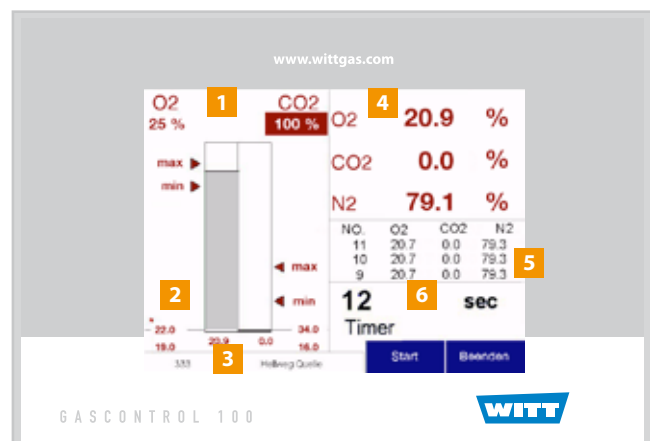
3 Sensor status

4 Product name and product number

5 Results of the last three measurements

6 Selectable measuring mode

- Permanent
- Countdown measuring
- Manual setting of measuring time



The shapely, multi-functional analyzer MAPY 4.0 is WITT's top model for checking of modified atmosphere packaging (MAP). The portable device sets standards in quality control regarding the combination of visual appearance, ergonomics and functionality and has won the "red dot award" for outstanding product design.

The new touch-screen as the central control element allows intuitive handling and provides optimal information. The MAPY 4.0 can be used for continuous analysis or intermittent sampling via a needle. Fast and reliable measurements and automatic alarm functionality if limits are exceeded assure quality and economy in production.

Different types of sensors are available depending on the type of gas – CO₂, O₂ or helium. The product portfolio contains chemical, paramagnetic, infrared or thermal measuring sensors. Also a zirconia measuring cell for precise O₂ results in ppm is available.

High-class components and the robust stainless steel design guarantee long service life and meet the high hygiene requirements in the food industry. Various interfaces (Ethernet, USB, barcode reader, printer) allow easy and flexible integration into existing systems. Exported data can be analyzed and documented with the optional WITT software GASCONTROL CENTER.



MAPY 4.0 as
19" input module



Barcode-
Reader

› **BENEFITS**

- For the smallest of packs – minimum sample gas required
- Short measuring time
- High accuracy down to ppm – different measuring methods depending on application
- Reliability – flow control with alarm function
- High process safety by permanent system check with alarm function
- Reliable steady measuring results by pressure compensation
- Data logging of thousands of results
- Administration of up to 60 users with individual rights and full documentation
- Management of results and individual limit values for up to 120 products
- Customer-oriented quality control – data transfer via Ethernet or USB stick
- Manual measuring or automatic measuring
- Simple calibration of sensor
- Maximum hygiene – Easy to clean stainless steel housing
- Different versions: sample testing, permanent control and for pressurized sample gas with pressure controller

› **OPTIONS**

- Also for additional gases
- Easy product selection with barcode reader
- As 19" rack version
- GASCONTROL CENTER software for data administration (for more information please see following page)

MAPY 4.0 by WITT – the top model for gas analysis of food packages.

MAPY LE

The lean edition as
cost-efficient alternative



› **FEATURES**

- Designed especially for the in-line control of flow packing machines
- For the control of O₂ and/or CO₂
- Option: additional integrated needle for sample testing
- Functionality and menu reduced to its essentials
- Housing with IP 54 and vertical display

PA 7.0

The compact gas analyzer for fast measuring of O₂, CO₂ or O₂ and O₂/CO₂



1 Graphical display

- Results in 0.1 % steps
- Illuminated LCD display
- Displayed information:*
- Results O₂ / CO₂
- Product name
- Date/time of last measurement
- Charging status
- Memory status
- Sample-hold or permanent measurement

2 Easy cleaning

3 Stainless steel housing

4 Needle for sample testing

5 Easy, intuitive use

- No skilled personnel required

6 USB interface

- Data transfer
- Charging

7 Micro SD card

- Software upgrades

**Versatile
and economic**

SOFTWARE

For presenting of test results to your customers at any time WITT offers a Windows based software package for result documentation. The data administration is ensured be it for MAPY, OXYBABY®, PA or other WITT devices.

Giving full digital documentation of your quality control you can guarantee highest product quality to your customers.

PROC_NAME	INDO_ID	SAMP_ID	CHARGE	USER	MEAS TIME	TIME	DATE	STATUS	MEAS	SPT	GAS_O2	GAS_CO2	GAS_O2_CO2
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 30:00	18.08.2008	0	15	0.0	1.71	25.6	36.8	37.8
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 30:15	18.08.2008	0	35	0.0	1.11	24.9	34.9	36.5
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 30:30	18.08.2008	0	37	0.0	0.60	25.4	33.9	35.1
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 30:45	18.08.2008	0	32	0.0	1.20	26.7	36.5	38.7
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 31:00	18.08.2008	0	32	0.0	1.20	26.7	36.5	38.7
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 31:15	18.08.2008	0	28	0.0	1.07	25.0	34.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 31:30	18.08.2008	0	26	0.0	1.07	24.2	33.9	35.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 31:45	18.08.2008	0	27	0.0	1.00	25.2	34.2	35.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 32:00	18.08.2008	0	30	0.0	0.71	24.4	34.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 32:15	18.08.2008	0	30	0.0	0.71	25.2	34.1	35.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 32:30	18.08.2008	0	31	0.0	0.81	25.8	34.4	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 32:45	18.08.2008	0	32	0.0	0.81	26.2	34.4	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 33:00	18.08.2008	0	30	0.0	0.80	26.7	33.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 33:15	18.08.2008	0	28	0.0	0.81	26.5	34.1	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 33:30	18.08.2008	0	27	0.0	0.80	26.0	34.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 33:45	18.08.2008	0	27	0.0	0.80	26.0	34.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 34:00	18.08.2008	0	27	0.0	0.80	26.0	34.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 34:15	18.08.2008	0	26	0.0	0.80	26.0	34.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 34:30	18.08.2008	0	26	0.0	0.80	26.0	34.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 34:45	18.08.2008	0	26	0.0	0.80	26.0	34.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 35:00	18.08.2008	0	26	0.0	0.80	26.0	34.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 35:15	18.08.2008	0	26	0.0	0.80	26.0	34.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 35:30	18.08.2008	0	26	0.0	0.80	26.0	34.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 35:45	18.08.2008	0	26	0.0	0.80	26.0	34.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 36:00	18.08.2008	0	26	0.0	0.80	26.0	34.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 36:15	18.08.2008	0	26	0.0	0.80	26.0	34.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 36:30	18.08.2008	0	26	0.0	0.80	26.0	34.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 36:45	18.08.2008	0	26	0.0	0.80	26.0	34.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 37:00	18.08.2008	0	26	0.0	0.80	26.0	34.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 37:15	18.08.2008	0	26	0.0	0.80	26.0	34.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 37:30	18.08.2008	0	26	0.0	0.80	26.0	34.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 37:45	18.08.2008	0	26	0.0	0.80	26.0	34.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 38:00	18.08.2008	0	26	0.0	0.80	26.0	34.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 38:15	18.08.2008	0	26	0.0	0.80	26.0	34.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 38:30	18.08.2008	0	26	0.0	0.80	26.0	34.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 38:45	18.08.2008	0	26	0.0	0.80	26.0	34.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 39:00	18.08.2008	0	26	0.0	0.80	26.0	34.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 39:15	18.08.2008	0	26	0.0	0.80	26.0	34.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 39:30	18.08.2008	0	26	0.0	0.80	26.0	34.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 39:45	18.08.2008	0	26	0.0	0.80	26.0	34.9	36.0
FFP2 autorücklauf	E104M7	E104M7	1	JENNEBIOPLANTUM	12 18 40:00	18.08.2008	0	26	0.0	0.80	26.0	34.9	36.0

The modified atmosphere in food packages needs regular monitoring during the packaging process to guarantee freshness of food. For best quality and efficiency in production. The compact gas analyzer PA enables the testing of O₂ / CO₂ for modified atmosphere packaging. Wherever results have to be recorded this comfortable analyzer can be used. This can be done as intermittent sampling via a needle or as continuous in-line analysis. Depending on the type of gas and analysis the PA contains a chemical, a zirconia and / or an infrared measuring cell.

The PA has an integrated data log for the last 500 results, which relate to specific product names.

Results can be transferred to a PC for editing and analysing, e. g. with the WITT OBCC software.

› **BENEFITS**

- Compact design
- No skilled personnel required – intuitive use
- For the smallest of packs – minimum sample gas required
- Fast and precise results
- Versatile use – permanent monitoring or sample testing
- Logging of the last 500 results
- Individual limit values with relay contacts and alarm
- Maximum hygiene by easy-to-clean, robust and splash proof housing
- Interface for data exchange
- Multilingual menu guide (D, UK, F, I, NL, S, FIN, E, PL, RUS, CN, H, TR)
- Different versions: sample testing, permanent control and for pressurized sample gas with pressure controller

› **OPTIONS**

- WITT OBCC software for data administration
- O₂ measurement also in ppm range

The PA 7.0 by WITT – the economic analyzer series.

› **BENEFITS**

- Result documentation with date and time for quality management
- Individual, product-related data administration of: item number, batch number, product name, test results, name of tester
- Data exchange interface for transfer to MS-EXCEL
- For up to eight devices simultaneously
- Multilingual menu
- Automatic recognition of WITT devices

The WITT software is the perfect companion for WITT analyzers. It offers full well presented documentation of your quality control results.

OUR PRODUCT RANGE

GAS CONTROL EQUIPMENT

- Gas mixing systems
- Gas metering systems
- Gas analyzers
- Leak detection systems
- Gas pressure vessels
- Engineering of customized systems

GAS SAFETY EQUIPMENT

- Flashback arrestors
- Non-return valves / check valves
- Quick couplers
- Safety relief valves
- Stainless steel devices
- Gas filters
- Pressure regulators
- Outlet points
- Lance holders
- Ball valves
- Automatic hose reels
- Test equipment
- Accessories
- Customized safety equipment

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