GAS ANALYSER
for O_2 or O_2/CO_2 – 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.

cost effective mobile alternative to tabletop / fixedanalysersfor 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 O_2 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

✔ 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

GAS ANALYSER
for O_2 or O_2/CO_2 – premium version

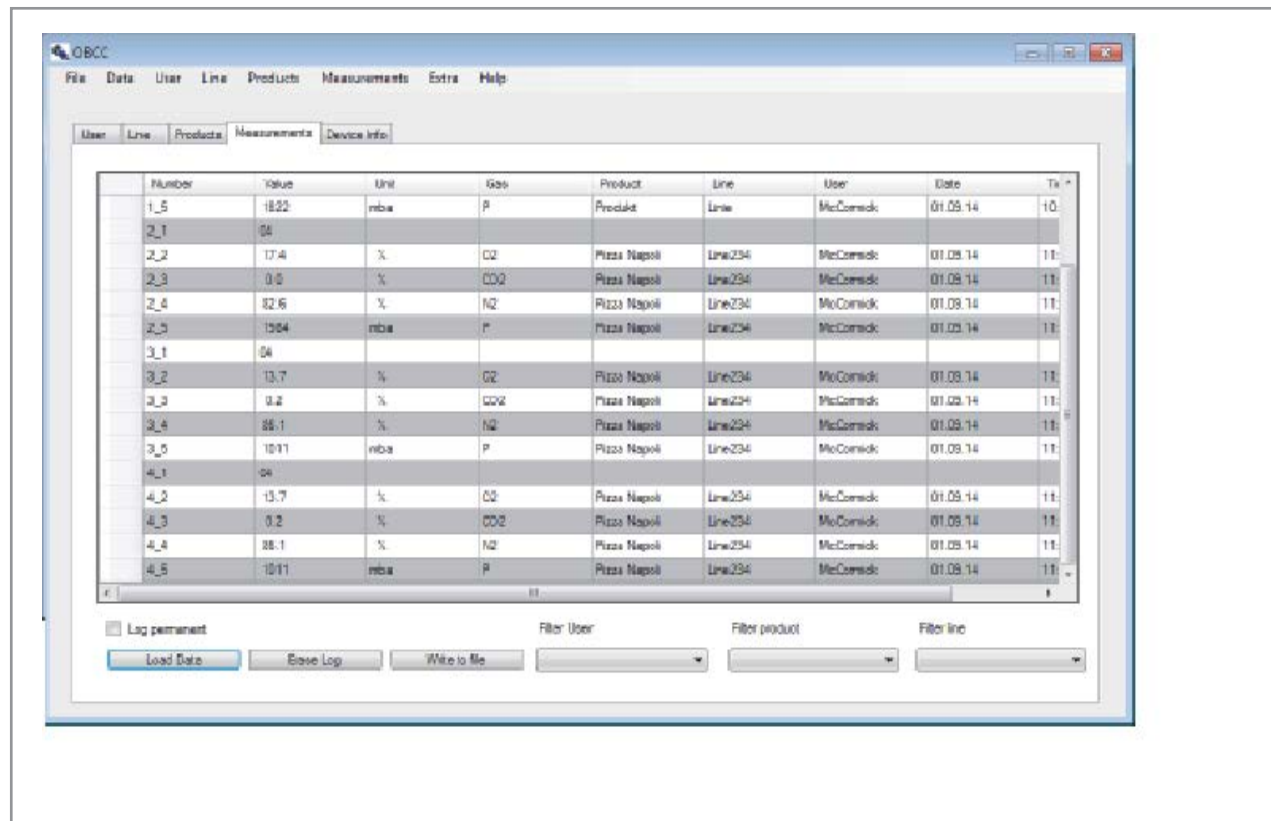| 6.0 O_2 OXYBABY®	6.0 O_2/CO_2		
●		**Gases**	O_2 balance gas: N_2, (Ar or others on request)
	●		O_2 and/or CO_2 balance gas: N_2, (Ar or others on request)
●	●	**Measuring principle O_2**	electrochemical cell
	●	**Measuring principle CO_2**	IR-absorption
●	●	**Sensor lifetime O_2**	approx. 2 years (in air at 20 °C / 68 °F)
	●	**Sensor lifetime CO_2**	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)**	5 – 40 °C (41 – 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 (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

OBCC

Softwareforgasanalyser

Windows-Software for the documentation of analysis-results

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

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
	USB driver
Compatibility	Med, PA 7.0,
	– please specify device number with order –
Accessories	USB connecting cable included in delivery

Accessories

Table-rack

This stabile and stable table-rack from stainless steel is ideal for use as table top version.

Connector tube with Luer-Lok-connection is available for connection.

The table-rack is suitable for all 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.

Only available for 6.0.

Bluetooth table printer

Select Bluetooth equipment for your 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
for bottles, cans and mini packages

Can-Piercer

The 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 analyser®)

Dimensions (HxWxD): 585 x 155 x 235 mm (packed, without analyser)

Suitable for M+ and 6.0.

Aquacheck

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.
Material: stainless steel

Aquacheck is available with and without water container.

Suitable for M+ and 6.0.

Other models, options and accessories available upon request.

ACCESSORIES

for bottles, cans and mini packages

Can-Piercer: Application in practice

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
5.5 mm	270 cm		x <1 bar(g)				x	beverage cans (without gas / without overpressure), eg. juice	
8.5 mm	270 cm	x	x >1 bar(g)				x	bottles, bevarage cans (with gas / with overpressure), eg. Cola, mineral water	
8.5 mm	390 cm	x	x >1 bar(g)				x	bottles, beverage cans (with gas / with overpressure), eg. Cola, mineral water	
18.5 mm	390 cm	x	x >1 bar(g)				x	bottles, beverage cans (with gas / with overpressure), eg. Cola, mineral water	
5.5 mm	270 cm		x >1 bar(g)	x	x		x	bottles, beverage cans (with gas / with very high over-pressure, sparkling)	without pump
5.5 mm	390 cm	x	0 - 4 bar			x	x	bottles, beverage cans	no connection, only pressure measurement

*to prevent the damage by too high overpressure, too high flowrate, the calibration module has to be connected between calibration gas / zero gas
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	Recommendations
1	for beverages containing gas	cola, mineral water, lemonades, beer, etc.	Available upon request
2	for beverages, free of gas	juices, wine, water mixtures, etc.	
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	
4	for sole pressure measurement	from a can or bottle	

Retrofit components and spare parts:
Bottle holder
Tubular extension for CAN-Piercer
Can-Piercer holder (needle 18.5 mm)
Can-Piercer holder (needle   8.5 mm)
Can-Piercer holder (needle   5.5 mm)
Can-Piercer holder (pressure measurement)
Needle connection with filter and RV
Hose
Luer-Lock connection female