



Accurate O₂ Analysis of Gas Flushed Packaging



Features

- Large LCD Display with backlight
- Measurement range of 0.1% - 100%
- Accuracy of $\pm 1\%$ (Better than $\pm 0.25\%$ at 1% O₂)
- Measurement results achieved within seconds
- Integrated data logging of up to 5,000 measurements
- Adjustable alarm feature with pass/fail indicator
- Safety holster for needle/probe
- Operator I.D. available
- Product I.D. selectable
- Available in multiple languages
- MP Downloader Software Included

About the Map-Pak O₂

Designed specifically for the Food Industry, the Map-Pak O₂ measures the Oxygen content in gas flushed food packages. It can be used for all food applications, as well as some applications in the pharmaceutical industry.

This lightweight portable analyser has a range of features, making it easier to use in quality control functions. Sample measurements and results are achieved within 10 seconds and the operator can modify the various features of the analyser to best suit their requirements.

Results can be stored on the Map-Pak device or can be downloaded to a computer using the MP Downloader Software provided. Furthermore, a small portable printer is available for the Map-Pak range to print results on receipt-size paper or labels.

The Map-Pak O₂ is time and cost efficient. It offers all round quality with top of the range features as well as functional features which are designed to make the Map-Pak O₂ user-friendly.

What does the Map-Pak offer

- Lightweight and portable handheld analyser
- Fast and accurate O₂ sample measurements
- Easy to use interface
- Low gas sample requirement
- Easy to calibrate
- Up to 7 hours of battery powered operation
- Needle blockage alarm feature
- Value for money

Typical Applications:

- Meat and Poultry
- Seafood
- Precooked Meals
- Convenience Foods
- Dairy Produce
- Fruit and Vegetables
- Baked Goods
- Salads
- Pasta
- Coffee
- Pharmaceuticals
- Glove box Analysis



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Principle of Operation:

The O₂ content within a food pack is measured using an electrochemical sensor. During measurement, an electric pump provides a small amount of sample gas into the sensor. The sensor then reacts with O₂ particles and produces a measurement which is displayed on the screen within seconds.

Specification	
Accuracy	±1% (Better than ± 0.25% at 1% O ₂)
Resolution	0.1%
Repeatability	1% relative to gas reading
Measuring Method	Electro Chemical Sensor
Measuring Range	0% to 100% in 0.1% increments
Ambient Temperature	0 to +40 degrees C
Response Time	<10 seconds
Sensor Lifetime	2 years
Sample Gas Volume Options	Low: 6ml , Medium: 30ml , High:50ml
Sample Probe	Probe with flexible sampling connection to internal pump
Alarms	Alarms feature-thresholds can be defined separately for every product by the customer
Calibration	Simple 2 Point Calibration
User Interface	Graphic Display with backlight 30 x 60 [mm]
Data Outputs	Serial Interface-USB
Data Storage	Up to 5,000 measurements can be stored internally
Power Supply	
Rechargeable Batteries Unit	9V wall adapter (Universal AC supply)
Battery Pack	4 NiMH rechargeable cells
Operation Time	7 hours normal use
Power Saver	Automatic shut down after 2 minutes of non use/idle time
Enclosure	Strengthened and Wipe-Clean ABS Plastic with integrated probe holder and needle cover
Weight	450 grams
Dimensions	L =228, W=72/117, H=47 [mm]
Approvals	CE - marked according to: - EMC 2004/108/EC - Low Voltage Directive 2006/95/EC
MP Downloader Software	Windows Compatible Download results to CSV file, Clear Records, Edit Operators/Products

After-sales Care

AGC Instruments are committed to providing and maintaining a quality product from the point of sale. We pride ourselves on our dedicated after sales service in order to give our customers value for their purchase.

Accessories included:

The Map-Pak O₂ comes complete with Needles (5 off), Septa (100 off), Particle Filters (2 off), Needle Probe (1 off), Carry Case (1 off), User Manual (1 off), Rechargeable Batteries (4 off), Mains Adapter (1 off), Calibration Certificate (1 off) and MP Downloader Software (1 off).

An optional Thermal Printer for printing results on the go is also available.

Spare parts or further accessories for the Map-Pak can be ordered by contacting:



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