



Analysis of your Gas Flushed Food Pack



Features:

- Large LCD Display with backlight
- Measurement range of 0.1% - 100% with accuracy of 0.1%
- 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

About the Map-Pak

Designed specifically for the Food Industry, the Map-Pak O₂ measures the oxygen content within gas flushed food packages. It can be used for all food applications, as well as some pharmaceuticals. This lightweight portable analyser has numerous features and could not be easier to use.

Sample measurements and results are achieved within moments and the operator can modify the various features of the analyser to best suit his or her requirements.

The Map-Pak is cost efficient and time efficient. It offers all round quality with top class features as well as functional features, all designed around the needs of the user.

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
- Mains power supply operation as alternative
- Needle blockage alarm feature
- Fast recharge 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

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 user interface as relative concentration [%].

Specification	
Accuracy	± 1% (full scale)
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
Minimum Sample Gas Requirement	5 ml
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	
Mains Adapter	9V wall adapter (Universal AC supply)
Battery Pack	4 NiMH rechargeable cells
Operation Time	7 hours normal use from full charge
	Continuous operation using mains adapter
Power Saver	Automatic shut down after 2 minutes of non use/idle time
Enclosure	ABS Plastic
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

Accessories included:

The Map-Pak comes complete with 4 Rechargeable Batteries, Mains Adapter, Instruction Manual, USB Cable, a Spare Probe and 50 Septums.

Spare parts or further accessories for the Map-Pak can be ordered by contacting AGC Instruments Headquarters directly via the details below.

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