mapControl Multi
Gas Analyser

TESUCO
TECHNICAL SUPPLIES COMPANY

HOSPITALITY
GAS SAFETY
INDUSTRIAL
SCIENTIFIC
MEDICAL

GAS ANALYSER FOR MOBILE CONTROL OF FOOD PACKED IN SHIELDING GAS

Cordless handheld analyser for preventive shelf-life control of food packed in modified atmosphere (MAP).

SCOPE OF DELIVERY

- 5 x Needles
- 100 x Septa
- 3 x Hydrophobic filters
- 1 x Carry case
- 1 x USB cable
- 1 x Universal mains charger
- 1 x User manual
- 1 x Calibration certificate

MAINTENANCE

Regular visual inspection and filter replacement.
When not in use, store in the carrying case and protect from cold environments.

FEATURES

- Fast and accurate analysis of gas-filled O_2 and CO_2 food packages
- Portable analyser for quality control
- Cordless mobile due to battery operation
- Energy-efficient lithium-ion battery with programmable auto-shutdown function
- Long battery life / alternative mains power supply
- Ergonomic design, light weight
- Easy to read, illuminated graphic display
- Easy to use interface
- Integrated probe holder to protect the operator
- Needle blockage alarm by sample flow sensor
- Minimal sample gas requirement for very small packages
- Three possible sample gas volume options
- Measuring results can be saved and downloaded via USB as a CSV file (Excel)
- Great storage capacity and easy transfer of the results to the computer
- Easy maintenance, calibration and low maintenance costs due to modular design
- Long lifetime of the O_2 sensor (approx. 2 years), CO_2-Sensor (indefinite)
- Easy to clean plastic surface
- Easily replaceable hoses and fittings combined with an optimised hydrophobic filter

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Technical Data

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Gas type	Oxygen (O$_2$)	Carbon Dioxide (CO$_2$)
Measurement methods	Electro chemical sensor	NDIR-Infrared sensor
Measurement accuracy	±1% (full scale)	±5% (of reading)
Sensor lifetime	2 Years	Indefinite
Profiles	20 Programable profiles (Product, Costumer and Weight), 20 Operators	
Measurement range	0 – 100 %, in 0,1% Increments	
Operating temperature	0 – 40°	
Data storage	Integrated: 10.000+ measurements	
Sampling operation	Response time: < 9 Seconds (low volume) < 18 seconds (high volume) Sample gas volume options: Low 6ml / Medium 30ml / High 50ml	
User interface	3" Touchscreen	
Battery	Lithium Polymer High-Capacity Battery	
Length	190 mm	
Width	79 mm	
Height	47 mm	
Weight	367 g	

TECHNICAL RULES / DIRECTIVES

DGUV German Social Accident Insurance Rules and Regulations, TRBS Technical Rules for Industrial Safety

STANDARDS/ APPROVALS

Company certified according to
ISO 9001:2015
CE-marking according to: Directive 2014/35/EU,EMC Directive 2004/108/EC