Dansensor®
MAP Check 3
REDUCE YOUR GAS CONSUMPTION WITH GasSave

MAP Check 3 - Far faster and more efficient than manual testing

Benefits

- Significant gas savings when paired with the optional GasSave function or Dansensor MAP Mix Provectus gas mixer

- Logs and displays actual gas consumption for easy traceability with GasSave option

- Reduces labor costs and waste compared to manual testing

- Avoids recalls and repacking by automatically stopping production when preset limits are exceeded

- Reduces work area CO_2 levels to protect employees

Features

- 5" color touch screen

- Excellent data logging capabilities with USB and Ethernet

- Fully integratable with Dansensor MAP Mix Provectus gas mixer

- Delivered with PC software

- Option: 3-channel multiplexer

- Extended remote monitoring and control options with Modbus TCP

On-line gas analyzer increases quality assurance on MAP-enabled flow packaging machines

Modified Atmosphere Packaging (MAP) is an effective technology which can be steamlined and made more efficient with simple additions to your process line.

The Dansensor® MAP Check 3 gas analyzer is designed to be precise, so the gas target you set, is the gas dosage you get. It eliminates the all-too-common problem of well-intentioned operators using too much gas, without realising its effect on production costs.

The Dansensor MAP Check 3 lets you combine monitoring of gas content on a vertical or horizontal flow packaging machine, with real-time control of package flushing via an advanced GasSave function. For most manufacturers, this translates into a **20-50% decrease** in gas consumption!

It also improves reliability and efficiency. Unlike random, off-line quality control, on-line quality assurance with the Dansensor MAP Check 3 means that every package is tested – more quickly and efficiently than with manual testing. If there is a problem, production stops automatically, helping to avoid recalls or the need to repack entire batches.

AMETEK® | **mocon**®

1: Before running the Dansensor MAP Check 3 for the first time, enter individual product programs on the analyzer for each product to be packed on the machine. Thereafter, simply select the correct program to automatically set the correct alarm and target gas levels.

2: When the packaging machine is running, Dansensor MAP Check 3 continuously measures the residual oxygen and/or carbon dioxide.

3: If the oxygen or carbon dioxide levels near the preset limits, Dansensor MAP Check 3 notifies the operator. If the limits are exceeded, Dansensor MAP Check 3 stops the packaging machine.

4: If equipped with GasSave or connected to the Dansensor MAP Mix Provectus, Dansensor MAP Check 3 automatically adjusts the gas flushing of your product, according to the residual oxygen. This prevents incorrect residual oxygen levels and reduces gas costs.

TOP: Shown with optional IP45 accessory kit for improved water protection

Technical Specifications

Available sensors	O_2-Sensor	CO_2-Sensor
Key features	Our fastest and most accurate oxygen sensor 0 - 100% range	Temperature controlled dual beam infrared carbon dioxide sensor, 0 - 100% range
Accuracy	± 0.01% absolute range below 1% O_2 ± 1% relative in range above1% O_2	± 0.5% absolute ± 1.5% relative of reading
Heating time	10 Min.	8 Min.
General standard features		
Models	Available with LCD display or as "Black Box" without display	
Connections	2 x RS232C, LAN 10/100 Mbit (Modbus TCP), USB, current or voltage output, 24 VDC logic for start/stop of machine and alarms	
Power supply	103 -132 / 207-264 VAC (auto ranging), 47- 63 Hz	
Dimensions	192 x 230 x 375 mm (H x W x D)	
Weight	8.5 - 11.5 kg (depending on model)	
Compliances	CE	
GasSave (optional)		
Gas media	Any mix of dry O_2, CO_2, N_2 or Ar (0°C to +50°C gas temperature)	
Gas inlet pressure	2 to 10 bar	
Pressure drop	Example: 1 bar at 10 bar input pressure	
Gas flow	6 to 500 l/min	
Flow measuring	Total and daily consumption	
Multiplexer (optional)		
Number of inputs	3 (Channel priority: Selectable, 1-2-3- or 1-2-1-3-)	
Accessories (optional)		
Protection kit	IP45 protection (NEMA 3S)	
Bracket, assembley	Can be combined with MAP Mix Provectus and MAP Check 3 Pressure: 2 brackets, 8 screws	

Specifications subject to change without notice.

Probro-PTPS-Dansensor MAP Check 3-EN-6

Gas-Detection

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