

INLINE-GAS ANALYZER MAPY VAC

for O₂ or O₂/CO₂



MAPY VAC BB



MAPY VAC

Inline gas analyzer for monitoring of modified atmospheres at traysealers and thermoformers in food packaging (MAP). For continuous analysis (inline).

MAPY VAC measures O₂ or O₂/CO₂-concentrations in the package without destroying it.

A flexible analyser to guarantee quality and productivity of production processes.

Available as a single or double analyzer for O₂ and O₂/CO₂.

Benefits

- high process safety
- measures every packaging cycle
- reduces labour and waste costs compared to manual testing
- simple to operate via touchscreen
- reliable steady measuring results and high accuracy
- simple calibration of sensor
- permanent monitoring of set limit values
- alarm signals are given if the set limits are exceeded and a potential free contact operates to e.g. auto-stop your machine to avoid quality problems
- easy to clean stainless steel housing for maximum hygiene, splash-proof
- data transfer via USB port
- integration into networks by Ethernet connection
- internal audio alarm
- data logging
- product administration up to 250 items

Options

- fully automatic calibration
- measurement of gas composition and pressure by buffer tank measurement
- separate table printer for instant documentation
- line recorder for recording measuring results development
- various Ethernet cables
- monitoring by web browser
- messaging via e-mail on alarm
- Black-Box-Version (BB) without display specifically designed for automated machine control. Control only possible by packaging machine or connected PC. Special software for communication on CD
- IP45 accessory kit for improved water protection

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Type	MAPY VAC O ₂ / MAPY VAC O ₂ /CO ₂	
Option	additional measurement of gas composition in buffer tank, BB (Black-Box Version) without display	
Gases	O ₂ or O ₂ /CO ₂ mixed with N ₂ not for flammable, corrosive or toxic gases!	
Measuring system	O ₂	zirconia measuring cell long lifetime
	CO ₂	infrared measuring cell long lifetime
Measuring range	O ₂	0-100%
	CO ₂	0-30%, 0-100% please indicate
Resolution	<10%	0.01%
	≥10%	0.1%
Accuracy	± 4% relative to the measurement range	
Temperature (gas/environment)	0 °C to +40 °C (32 °F to +104 °F)	
Gas connections		
analysis gas	push-in fitting for hose 6 mm	
calibration gas	push-in fitting for hose 6 mm	
mixing gas	push-in fitting for hose 6 mm	
central vacuum	push-in fitting for hose 8 mm	
Calibration		
Gas consumption	approx. 5 l/min the real gas consumption for calibration is depending on installation.	
Alarm contacts	2 potential free contacts for min. and max. settings (adjustable for each gas)	
Interfaces	RS 232 with ASCII-output of date, time, measured value USB by memory stick for software Update RJ45 Ethernet FTP-Server for software Update analog output 4-20 mA or 0-10 V	
Languages	multilingual	
Housing	stainless steel, IP34	
Weight	approx. 9.5 kg	
Dimensions (HxWxD)	approx. 208 x 242 x 481 mm (8.2 x 9.5 x 18.9 mm) (without connections)	
Voltage	230 V AC 50 / 60 Hz 110 V AC 50 / 60 Hz	
Power consumption	230 V AC / 0.12 A	
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	