

## INLINE-GAS ANALYSER MAPY VAC

for O<sub>2</sub> or O<sub>2</sub>/CO<sub>2</sub>



MAPY VAC BB



MAPY VAC

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

**MAPY VAC measures O<sub>2</sub> or O<sub>2</sub>/CO<sub>2</sub>-concentrations in the package without destroying it.**

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

**Available as a single or double analyser for O<sub>2</sub> and O<sub>2</sub>/CO<sub>2</sub>.**

### 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

# INLINE-GAS ANALYSER MAPY VAC

for O<sub>2</sub> or O<sub>2</sub>/CO<sub>2</sub>



Type	MAPY VAC O <sub>2</sub> / MAPY VAC O <sub>2</sub> /CO <sub>2</sub>		
Option	additional measurement of gas composition in buffer tank, BB (Black-Box Version) without display		
Gases	O <sub>2</sub> or O <sub>2</sub> /CO <sub>2</sub> mixed with N <sub>2</sub> not for flammable, corrosive or toxic gases!		
Measuring system	O <sub>2</sub> CO <sub>2</sub>	zirconia measuring cell infrared measuring cell	long lifetime long lifetime
Measuring range	O <sub>2</sub> CO <sub>2</sub>	0-100% 0-30%, 0-100% please indicate	
Resolution	<10% ≥10%	0.01% 0.1%	
Accuracy	± 4% relative to the measurement range		
Number of cycles	max. 10 cycles per minute		
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		