

## 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>



<b>Type</b>	MAPY VAC O <sub>2</sub> / MAPY VAC O <sub>2</sub> /CO <sub>2</sub>	
<b>Option</b>	additional measurement of gas composition in buffer tank, BB (Black-Box Version) without display	
<b>Gases</b>	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!	
<b>Measuring system</b>	O <sub>2</sub>	zirconia measuring cell long lifetime
	CO <sub>2</sub>	infrared measuring cell long lifetime
<b>Measuring range</b>	O <sub>2</sub>	0-100%
	CO <sub>2</sub>	0-30%, 0-100% please indicate
<b>Resolution</b>	<10%	0.01%
	≥10%	0.1%
<b>Accuracy</b>	± 4% relative to the measurement range	
<b>Temperature (gas/environment)</b>	0 °C to +40 °C (32 °F to +104 °F)	
<b>Gas connections</b>		
<b>analysis gas</b>	push-in fitting for hose 6 mm	
<b>calibration gas</b>	push-in fitting for hose 6 mm	
<b>mixing gas</b>	push-in fitting for hose 6 mm	
<b>central vacuum</b>	push-in fitting for hose 8 mm	
<b>Calibration</b>		
<b>Gas consumption</b>	approx. 5 l/min the real gas consumption for calibration is depending on installation.	
<b>Alarm contacts</b>	2 potential free contacts for min. and max. settings (adjustable for each gas)	
<b>Interfaces</b>	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	
<b>Languages</b>	multilingual	
<b>Housing</b>	stainless steel, IP34	
<b>Weight</b>	approx. 9.5 kg	
<b>Dimensions (HxWxD)</b>	approx. 208 x 242 x 481 mm (8.2 x 9.5 x 18.9 mm) (without connections)	
<b>Voltage</b>	230 V AC 50 / 60 Hz 110 V AC 50 / 60 Hz	
<b>Power consumption</b>	230 V AC / 0.12 A	
<b>Approvals</b>	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	