INLINE-GAS ANALYZER MAPY VAC
for O_2 or O_2/CO_2

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 O_2 or O_2/CO_2-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 O_2 and O_2/CO_2.

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 ANALYZER MAPY VAC
for O$_2$ or O$_2$/CO$_2$

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
Number of cycles	max. 10 cycles per minute
Temperature (gas/environment)	32°F to +104°F

Gas connections
    analysis gas
    calibration gas
    mixing gas
    central vacuum
	
	 push-in fitting for hose 0.24 inches
	 push-in fitting for hose 0.24 inches
	 push-in fitting for hose 0.24 inches
	 push-in fitting for hose 0.31 inches

Calibration **Gas consumption**	 approx. 11 SCFH 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. 335 oz
Dimensions (HxWxD)	approx. 8.2 x 9.5 x 18.9 inches (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