

$\frac{\text{MULTI-FUNCTIONAL ANALYZER MAPY 4.0}}{\text{for } O_2, CO_2 \text{ or } O_2/CO_2}$





Analyzing System for the monitoring of protective atmospheres in food packaging (MAP). For continuous analysis (inline) and also intermittent sampling via a needle e.g. from food packs. A flexible analyzer to guarantee quality and productivity of production processes. Available as a single or double analyzer for carbon dioxide and oxygen.

Benefits

- minimum sample gas required for analysis of smallest volumes (e.g. food packaging) fast response time
- · fast measuring results of sampling
- simple to operate via touch-screen
- reliable steady measuring results and high accuracy through pressure compensation
- 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
- USB connection for file transfer by USB memory stick
- Ethernet connection for network integration
- internal audible alarm
- measured data storage
- administration of product names
- user management for measurement personalization

Options

- fully automatic calibration
- plug set for external connection of signals
- model for higher inlet pressures
- bar code scanner for product names or user selection

Equipment selection



¹⁾ without pump, with inlet pressure regulation

All versions also available with zirconia measuring cell for O_2 . Please add **Zr** to the model type.

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²⁾ with 2 chemical sensors for oxygen

³⁾ gases to be specified

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Measuring systems

		Gases	Measuring system	Measuring range	Repeatability	Response time	Service life	
		O ₂ for sampling	chemical measuring cell	0-100%	± 0.2%	6 sec.	approx. 2 years in air	
	onal	O ₂ for continuous analysis	chemical measuring cell	0-100%	± 0.2%	10 sec.	approx. 3 years in air	
		O ₂ for sampling and for continuous analysis	zirconia measuring cell	0-100%	± 0.1%	4 sec.	long lifetime	
	opti	O ₂ for sampling and for continuous analysis	paramagnetic measuring cell	adaptable please indicate	dependent on measuring range	5 sec.	long lifetime	
C		CO ₂	infrared measuring cell	0-30% 0-100% please indicate	± 0.5%	6 sec.	long lifetime	
т	ур	e	MAPY 4.0					
G	as	ses	$O_2, CO_2 \text{ or } C$	O_2 , CO_2 or O_2/CO_2 not for flammable, corrosive or toxic gases!				
Т (9	en gas	nperature range s/environment)	+32°F to +10	+32°F to +104°F				
Ģ	as	connections Permanent measuring	lance, hose	lance, hose connection for PK 6/4 (exhaust)				
Sample measuring Calibration (full automatic)			needle (exha natic) hose connec	needle (exhaust) integrated measuring gas pump hose connection for PK 6/4				
Inlet pressure S-version P-version			max. 4.35 PS 21.76 PSIG	max. 4.35 PSIG 21.76 PSIG – 145 PSIG				
Calibration Gas consumption Calibration time			approx. 2.12 the real gas is depending optimal: 240	approx. 2.12 SCFH the real gas consumption for calibration is depending on installation. optimal: 240 sec/calibration				
Alarm signals			2 potential fr (adjustable f	2 potential free contacts for min. and max. settings (adjustable for each gas)				
Interfaces			RS 232 with USB by men RJ45 Ethern analog outpu	RS 232 with ASCII-output of date, time, measured value USB by memory stick for profiles, product and user data RJ45 Ethernet FTP-Server for profiles, product and user data, software Update analog output 4-20 mA or 0-10 V				
Housing			stainless ste	stainless steel, splash-proof				
Weight			approx. 15.8	approx. 15.87 lb				
Dimensions (HxWxD)			approx. 4.33	approx. 4.33 x 11.81 x 10.24 inches				
Voltage			230 V AC 50 110 V AC 50	230 V AC 50 / 60 Hz 110 V AC 50 / 60 Hz				
Power consumption			230 V AC / 0	230 V AC / 0.12 A				
Approvals			Company ce	Company certified according to ISO 9001 and ISO 22000				
			CE-marked a - EMC 2014/ - Low Voltag	CE-marked according to: - EMC 2014/30/EU - Low Voltage Directive 2014/35/EU				
			for food-grac - Regulation	for food-grade gases according to: - Regulation (EC) No 1935/2004				
			Designed for EIGA 13/20 a	Designed for Oxygen Service in accordance with EIGA 13/20 and CGA G-4.4: Oxygen Pipeline and Piping Systems				
			Cleaned for EIGA 33/18	Cleaned for Oxygen Service in accordance with EIGA 33/18 and CGA G-4.1: Cleaning of Equipment for Oxygen Service				