MULTI-FUNCTIONAL ANALYZER MAPY LE for O₂, CO₂ or O₂/CO₂





locked

Analyzing System for the monitoring of gas concentrations at a variety of industrial applications. For continuous analysis (in-line) and also intermittent sampling via a needle (option) e.g. from food packs.

The analysis reduced to the essentials for a lean workflow. Available as a single or double analyzer for oxygen and carbon dioxide.

Benefits

- minimum sample gas required for analyzing of smallest volumes (e.g. food packaging)
- fast measuring results of sampling (option)
- 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
- data transfer via USB port
- integration into networks by Ethernet connection
- internal audio alarm
- data logging

Options

- fully automatic calibration
- · sample needle
- separate table printer for instant documentation
- line recorder for recording measuring results development

- model for higher inlet pressures
- various Ethernet cable
- · heater and thermostat for chemical measuring cell
- · monitoring by web browser
- messaging via e-mail on alarm

Equipment selection

Analysis		Gases			
Sampling (option)	Continuous Analysis	0 2	CO ₂	O ₂ /CO ₂	Type of equipment
•		•	•	•	MAPY LE S 3)
	•	•	•	•	MAPY LE L 3)
•	•	•	•	•	MAPY LE S+L 2)3)
	•	•	•	•	MAPY LE P 1) 3)

¹⁾ without pump, with inlet pressure regulation

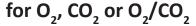
All versions available with circonia measuring cell for ${\rm O}_2.$ Please complete your type of equipment with ${\bf Zr}.$

 $^{^{2)}}$ with 2 chemical sensors for oxygen

³⁾ gases to be specified

MFA7 USA - J01/3J subject to change

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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
optional	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
	O ₂ for sampling and for continuous analysis	paramagnetic measuring cell	adaptable please indicate	dependent on measuring range	5 sec.	long lifetime
	CO ₂	infrared measuring cell	0-30% 0-100% please indicate	± 0.5%	6 sec.	long lifetime

Type MAPY LE

Gases O_2 , CO_2 or O_2/CO_2

not for flammable, corrosive or toxic gases!

Temperature (gas/environment) +32°F to +104°F

Gas connections

Permanent measuring lance, hose connection for PK 6/4 (exhaust)

integrated measuring gas pump

Sample measuring needle (exhaust) integrated measuring gas pump

Calibration (full automatic) hose connection for PK 6/4

Inlet pressure

Voltage

S-version max. 4.35 PSIG **P-version** 21.76 PSIG – 145 PSIG

Calibration via lance

Gas consumption approx. 1 l/min

the real gas consumption for calibration

is depending on installation. optimal: 240 sec/calibration

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, IP 54

Weight approx. 33 lb

Dimensions (HxWxD) approx. 8.86 x 12.80 x 18.50 inches

(without connections) 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:

for food-grade gases according to:
- Regulation (EC) No 1935/2004

Designed for Oxygen Service in accordance with EIGA 13/20 and CGA G-4.4:

Oxygen Pipeline and Piping Systems

Cleaned for Oxygen Service in accordance with EIGA 33/18 and CGA G-4.1:

Cleaning of Equipment for Oxygen Service