

GAS ANALYSER PA 7.0 for O₂, CO₂ or O₂/CO₂



PA 7.0 S

Compact analyser for the monitoring of protective atmospheres in food packaging (MAP) and welding. For continuous analysis (in-line) and also intermittent sampling via a needle e.g. from food packs. A flexible analyser to guarantee quality and productivity of production processes.

Whenever you need a record of your measurement this instrument together with the exclusive OBCC-Software is the solution.

Provide your customer with the results proving that your product has the best possible quality.

Benefits

- large illuminated graphic display
- Interfaces on front: mini SD and mini USB port
 - update possibility
 - data transfer via mini USB
- minimum sample gas required for analysing of smallest volumes (e.g. food packing)
- fast measuring results of sampling
- integrated data logger for the last 500 measurements
- assignment of measurements to different product names, users and product lines
- multilingual menu guide: German, English, French, Italian, Spanish, Dutch, Swedish, Finish, Polish, Hungarian, Romanian and Turkish (more to come)
- system errors or exceeding of set limits trigger an alarm and

switch a potential free contact, e.g. to shut down machinery to avoid quality problems (only P- and L-version)

- splash-proof and robust housing
- interface for transfer of logged data

Options

- O₂ measurement also in ppm range
- software OBCC for recording of results incl. data cable (see separate data sheet)
- separate table printer for instant documentation

Other models, options and accessories available upon request. Please identify the individual gases at the time of enquiring!

Technical Data overleaf



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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 y. in air
O ₂ for continuous analysis	chemical measuring cell	0-100%	± 0,2%	10 sec.	approx. 3 y. in air
O ₂	zirconia measuring cell	0-100%	± 0,1%	4 sec.	long lifetime
CO ₂	infrared measuring cell	0 - 30% 0-100% please indicate	± 0,5%	6 sec.	long lifetime

Technical Data		
Type	PA-O ₂ ; PA-CO ₂ ; PA-O ₂ /CO ₂	
Finish	P-version	over pressure measurement
	L-version	measurement via lance with pump
	S-version	sample measuring
Gases	O ₂ and/or CO ₂ ; balance gas: N ₂ , Ar (others upon request) not for flammable, corrosive or toxic gases	
Measuring system	see table	
Measuring range O ₂ /CO ₂	0 – 100%; in 0.1%-steps	
Sample gas requirement	O ₂ < 3 ml O ₂ /CO ₂ < 7 ml	
Calibration O ₂ /CO ₂	simple two point calibration	
Withdrawal	sample	automatic via needle using integrated pump
	continuous	by pump or pressure regulator (optional)
Temperature (gas/environment)	0 – 40 °C (32 – 104 °F)	
Gas connections	sample	needle with integrated pump
	continuous	hose connection for ID 4 mm with integrated pump
Inlet pressure	pump	max. 0.3 barg
	pressure regulator	max. 10 barg
	L-version	pressureless
	S-version	pressureless
Alarm contacts	2 potential free contacts for min. and max. settings, adjustable for each gas (only P- and L-version)	
Interfaces	RS 232 with ASCII-output of date, time, measured value and system informations (more detailed information on request) analog output 4-20 mA or 0-10 V	
Housing	splash proof	
Weight	approx. 6 kg	
Dimensions (HxWxD) with carry handle	approx. 186 x 285 x 270 mm (7.32 x 11.22 x 10.63 inches) (without connections)	
Voltage	90 – 250 V AC, 47 – 63 Hz or 24 V DC	
Power consumption	230 V AC, 0,07 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	

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