

► **GAS ANALYSER**

PA 7.0



Made in Germany

Product of





**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, Finnish, 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 Lversion)
- splash-proof and robust housing
- interface for transfer of logged data

**Options**

- O<sub>2</sub> 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!**

**Measuring systems**

Gases	Measuring system	Measuring range	Repeatability	Response time	Service life
O <sub>2</sub> for sampling	chemical measuring cell	0-100%	± 0.2%	6 sec.	approx. 2 y. in air
O <sub>2</sub> for continuous analysis	chemical measuring cell	0-100%	± 0.2%	10 sec.	approx. 3 y. in air
O <sub>2</sub>	zirconia measuring cell	0-100%	± 0.1%	4 sec.	long lifetime
CO <sub>2</sub>	infrared measuring cell	0-30% 0-100% please indicate	± 0.5%	6 sec.	long lifetime

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

## Middle East

Regus Nassima Tower, 4th & 5th Floor Sheikh Zayed  
Road, Trade Centre District Dubai, UAE 124303

Phone: +971 4311 6197



## Gas Control Equipment

- Gas Mixing Systems
- Gas Metering Systems
- Gas Analysers
- Gas Pressure Vessels
- Engineering Of Customised Systems

## Asia Pacific

Level 16, The Pavilion Tower, Jalan Raja Chulan,  
50200, Kuala Lumpur, Malaysia

Phone: +603 2182 9754-5

Fax: +603-2182 9797



## Gas Safety Equipment

- Flashback Arrestors
- Non-return Valves
- Quick Couplings
- Safety Valves
- Stainless Steel Devices
- Gas Filters
- Pressure Regulators
- Lance Holders
- Ball Valves
- Automatic Hose Reels
- Test Equipment
- Accessories
- Customised Safety Devices

## Europe

Florianstr. 15-21, 44139 Dortmund, Germany

Int'l: +1(213) 457 - 3147

Tel: +49 2302 663 4646

Tel: +49 231 292 96 5056



## M.A.P Equipment

- Gas Mixing Systems
- Gas Analyzers
- Leak Detection Systems
- Modified Atmosphere Packaging Solution

[letstalk@vivangas.com](mailto:letstalk@vivangas.com)

[www.vivangas.com](http://www.vivangas.com)