

**GAS ANALYSERS**

www.wittgas.com

**PA-O<sub>2</sub>, PA-CO<sub>2</sub> or PA-O<sub>2</sub>/CO<sub>2</sub>**



inclined display



vertical display

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 WITT-LOGGER-Software is the solution.

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

**Benefits**

- minimum sample gas required for analysing of smallest volumes (e.g. food packing)
- fast measuring results of sampling
- integrated data logger for the last 100 measurements
- assignment of measurements to different product names
- multilingual menu guide: German, English, French, Italian, Dutch, Swedish, Finnish, Spanish, Polish, Japanese and Russian (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)
- splash-proof and robust housing
- interface for transfer of logged data

**Options**

- vertical or inclined display
- software WITT-LOGGER for recording of results incl. data cable (see separate data sheet)
- separate table printer for instant documentation

**Other models, options and accessories available on 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. 4 y. in air
O <sub>2</sub>	zirconia measuring cell	0-25%	-	4 sec.	unlimited
CO <sub>2</sub>	infrared measuring cell	0-30% 0-100% please indicate	± 0,5%	6 sec.	unlimited

Product Information

Technical Data

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<b>Type</b>	PA-O <sub>2</sub> ; PA-CO <sub>2</sub> ; PA-O <sub>2</sub> /CO <sub>2</sub>
<b>Gases</b>	O <sub>2</sub> and/or CO <sub>2</sub> ; balance gas: N <sub>2</sub> , Ar (others on 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>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>	5-40 °C (41-104 °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</b>	max. 0.3 barg max. 10 barg
<b>Alarm contacts</b>	2 potential free contacts for min. and max. settings (adjustable for each gas)
<b>Interfaces</b>	RS 232 with ASCII-output of date, time, measured value analog output 4-20 mA or 0-10 V
<b>Housing</b>	splash proof
<b>Weight</b>	approx. 3 kg
<b>Dimensions (HxWxD)</b>	ca. 145 x 105 x 200 mm (5.7 x 4.1 x 7.9 inch) (without connections)
<b>Voltage</b>	230 V AC, 110 V AC or 24 V DC
<b>Power consumption</b>	230 V AC, 0.07 A
<b>Approvals</b>	Company certified according to ISO 9001:2000, ISO 14001 and ISO 22000 CE-marked according to: - EMC 89/336/EWG - Low Voltage Directive 73/23/EWG