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

- new operation by touch panel
- 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!

Measuring systems

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<th>Measuring system</th>
<th>Measuring range</th>
<th>Repeatability</th>
<th>Response time</th>
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<tr>
<td>O₂ for sampling</td>
<td>chemical measuring cell</td>
<td>0-100%</td>
<td>± 0.2%</td>
<td>6 sec.</td>
<td>approx. 2 y. in air</td>
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<tr>
<td>O₂ for continuous analysis</td>
<td>chemical measuring cell</td>
<td>0-100%</td>
<td>± 0.2%</td>
<td>10 sec.</td>
<td>approx. 3 y. in air</td>
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<tr>
<td>O₂</td>
<td>zirconia measuring cell</td>
<td>0-100%</td>
<td>± 0.1%</td>
<td>4 sec.</td>
<td>long lifetime</td>
</tr>
<tr>
<td>CO₂</td>
<td>infrared measuring cell</td>
<td>0-30% 0-100% please indicate</td>
<td>± 0.5%</td>
<td>6 sec.</td>
<td>long lifetime</td>
</tr>
</tbody>
</table>
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Type
PA-O₂; PA-CO₂; PA-O₂/CO₂

Finish
P-version
over pressure measurement
L-version
measurement via lance with pump
S-version
sample measuring

Gases
O₂ and/or CO₂; balance gas: N₂, Ar (others upon request)
not for flammable, corrosive or toxic gases!

Measuring system
see table

Measuring range O₂/CO₂
0 – 100%; in 0.1%-steps

Sample gas requirement
O₂ < 3 ml
O₂/CO₂ < 7 ml

Calibration O₂/CO₂
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)
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:

Cleaned for Oxygen Service according to:
- EIGA IGC Doc 13/12/E: Oxygen Pipeline and Piping Systems