Product Information

Technical Data

Portable Process Analyser PA 7.0 for O_2, CO_2 or O_2/CO_2

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

Options

- 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 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_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	0-25%	± 0.1%	4 sec.	long lifetime
CO_2	infrared measuring cell	0-30% 0-100% please indicate	± 0.5%	6 sec.	long lifetime

D01/E3 subject to change

GAS ANALYSERS

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 on 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 < 6 ml O_2/CO_2 < 15 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)	5 – 40 °C (41 – 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)
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. 160 x 265 x 270 mm (6.30 x 10.43 x 10.63 inch) (without connections)
Voltage	230 V AC, 110 V AC 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 2004/108/EC - Low Voltage Directive 2006/95/EC for food-grade gases according to: - Regulation (EC) No 1935/2004

Technical Data

D01/E3 subject to change