

Carbo Zirox O₂ Monitor



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General product information

In the beer and beverage industry, the quality of carbon dioxide (CO₂) is decisive to the quality and the taste. A low oxygen content is crucial to avoid oxygen pick up in beverages.

The CO₂ collected from fermentation is liquified in order to reduce the space needed for storage and to purify the CO₂ from non-condensable gasses (O₂ and N₂).

The stationary Carbo-Zirox O₂ Monitor, type SGM-6, consists of an O₂ controller and O₂ sensor. It is especially designed to continuously measure O₂ concentrations in CO₂ and N₂ gas.

The instrument is connected to a CO₂ or N₂ line and the O₂ content is measured and displayed. The measurement result can be exported to a PC or is available as analogue output signal.

The device is also available in a portable execution, type SGM-7.



SGM-6

Carbo Ziroyx O₂ Monitor



Benefits

- Perfect product control
- Maintenance free

Applications

- Quality Control
 - of your gas distribution systems
 - of commercial gas
 - of CO₂, recovered and purified from fermentation
 - in front of the carbonator, to monitor the gas quantity dosed
- Optimizing CO₂ Recovery Plants
 - behind the activated carbon filter/dryer
 - in the purge from the CO₂ liquefier, to control the blow-off quantity automatically, to prevent CO₂ losses as well as high concentrations of O₂ from dissolving CO₂
 - behind the CO₂ evaporator, to monitor O₂ in the CO₂ distribution system

Technical Data

Measuring range

O ₂ value:	1 - 20.600 ppm O ₂
Gas Inlet temperature:	0 - 80 °C
Gas Inlet pressure:	0 - 1 barg
CO ₂ Flow:	5 - 10 l/h

Measuring units

O ₂ value:	ppm Vol. %
Temperature:	°C

Accuracy O₂ value

Range 1 - 10 ppm:	< 5 %
Range 10 - 26.000 ppm:	< 3 %

Interface:	RS-232
Analogue output:	0/4 - 20 mA, adjustable
Alarm output:	3 potential free contacts
Voltage:	100 - 230 V / 50 - 60 Hz
Weight:	O ₂ Controller 5 kg / O ₂ Sensor 3.5 kg

Scope of Supply

- Carbo Ziroyx O₂, type SGM-6
 - O₂ controller
 - O₂ sensor
- Set of cables, 10m
- Set of reducing valves with connectors
- Sample stop cock
- Welding socket 3/8" x 12 mm
- Stainless steel sample tube
- Instruction Manual

Options

- Certificate of Measurement
- Activated Carbon Filter
- Dryer

Haffmans BV reserves the right to make changes in the technical specifications at any time.



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