

In-line CO₂/O₂ Gehaltemeter



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General product information

In the beer and beverage industry, the content of dissolved carbon dioxide (CO₂) and oxygen (O₂), are of paramount importance to the quality, taste and flavor stability of beer and carbonated beverages. Particularly O₂ is becoming an ever more important parameter, as it causes a rapid decline of the flavor stability and shelf life.

Because of this, breweries as well as soft drink manufacturers continuously seek to control and measure the concentrations of CO₂ and O₂ during the production steps of their beverages.

The In-line CO₂/O₂ Gehaltemeter, type c-AGM, combines the internationally accepted determination of the dissolved CO₂ content based on Henry's Law, with a highly accurate dissolved O₂ measurement. This new optical O₂ measurement technology for the beverage industry provides better response times than traditional O₂ measuring instruments and doesn't require frequent calibration.

The c-AGM can be built into the brewery's production line at any location where the determination of the dissolved CO₂ and O₂ content is required. In addition to that, the c-AGM has an optional 'control' function, which allows it to accurately control CO₂ dosing, for example as part of a skid-mounted carbonation unit.

c-AGM

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Benefits

- Perfect process control
 - measurement data storage
- Perfect CO₂ injection control
- Cost saving
 - lower investment costs (two-in-one measurement)
 - no product loss
 - low maintenance

Applications

- Quality Control
 - after filtration, carbonation and blending
 - before filling
- Optional CO₂ dosing control
 - carbonation before or after filter
 - carbonation at the filling line

Technical Data

Measurement:	O ₂ content	CO ₂ content
Measuring range:	0.0 - 2000 ppb	2.0 - 10.0 g/l
Accuracy:	± 1 µg/l + 2% of m.v	± 0.05 g/l
Measuring units:	µg/l, ppb, ppm, mg/l, %	g/l, % b.w., Vol, kPa

Temperature:	-5.0 - 40.0 °C, acc. ± 0.1 °C
Pressure:	0.0 - 10.0 bar, acc. ± 0.01 bar

Memory capacity:	up to 500 measurements
Power supply:	85-264 VAC wide range (optional 24 VDC)

Measuring time (incl. sampling):	approx. 30 s
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Dimensions:	320 x 160 x 320 (LxWxH in mm)
Weight:	ca. 10 kg

Besides the c-AGM, Norit Haffmans offers also an AGM, which only measures dissolved CO₂. Apart from the O₂ measurement functionalities, the AGM is identical in construction and function as the c-AGM. The CO₂ dosing control option is available for both c-AGM and AGM.



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

c-AGM

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