

# HAFFMANS o-DGM O<sub>2</sub> GEHALTEMETER

PRODUCT LEAFLET

## GENERAL PRODUCT INFORMATION

In the beer and beverage industries, the content of dissolved oxygen (O<sub>2</sub>) is extremely important to both product quality and taste. Excess O<sub>2</sub> can compromise the flavor stability and lead to significantly reduced product shelf life.

The portable O<sub>2</sub> Gehaltemeter, type o-DGM combines high accuracy with excellent measurement stability. This new optical O<sub>2</sub> measurement technology is greatly improved compared to the traditional O<sub>2</sub> measuring instruments. Frequent calibration of the O<sub>2</sub> measurement is not required. The bumper protects the o-DGM against physical impact in harsh environments.

The o-DGM is available in two measuring ranges:

- Low measuring range (LHO) for accurate DO measurement of beverages < 2,000 ppb (e.g. beer and deaerated water)
- Wide measuring range (WLO) for accurate DO measurement of beverages < 45 mg/l (e.g. wort, soft drinks and non-deaerated water)

Three measurement modes are available, single sample, continuous O<sub>2</sub> measurement from the production process and TPO measurement, based on the Uhlig method, from a package.

The data can be securely transferred to a PC using the interface cable.

## BENEFITS

- Accurate product control
  - reproducible and operator independent results
- Cost saving
  - less labor intensive
  - low maintenance
  - reduction of beer loss

## APPLICATIONS

- At-line, sampled directly during the production process (from process lines, vessels, tanks or kegs)
- Laboratory, after the production, sampled from a variety of bottles or cans
- TPO calculation from bottles or cans using sampling device ISD-special



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## TECHNICAL DATA

### O<sub>2</sub> sensor LHO

Measuring range 0.0 - 2,000 ppb  
Accuracy ± 1 ppb + 2 % of m.v.\*

### O<sub>2</sub> sensor WLO

Measuring range 0.1 - 45.0 mg/l  
Accuracy < 5 % of m.v.\*

### Measuring units

ppb, µg/l, ppm, mg/l, % a.s.

### Temperature

-5.0 - 40.0 °C, acc. ± 0.2 °C

### Memory capacity

Up to 400 measurements

### Voltage

80-240 V / AC 50-60 Hz

### Interface

RS-232

### Dimensions

210 x 130 x 200 (LxWxH mm)

### Weight

ca. 2.4 kg

\* at 20 °C

## SCOPE OF SUPPLY

- O<sub>2</sub> Gehaltemeter, type o-DGM
- Bumper
- Service set with power supply (Euro or US plug)
- Software set (CD + Interface cable)
- Set of two sample hoses
- Instruction manual

## OPTIONS

- Certificate of measurement
- Quick charger
- Inpack 2000 Sampling Device "special"



Bumper



### HAFFMANS BV

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