

HAFFMANS o-DGM O₂ GEHALTEMETER

PRODUCT LEAFLET

GENERAL PRODUCT INFORMATION

In the beer and beverage industries, the content of dissolved oxygen (O₂) is extremely important to both product quality and taste. Excess O₂ can compromise the flavor stability and lead to significantly reduced product shelf life.

The portable O₂ Gehaltemeter, type o-DGM combines high accuracy with excellent measurement stability. This new optical O₂ measurement technology is greatly improved compared to the traditional O₂ measuring instruments. Frequent calibration of the O₂ 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 O₂ 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



HAFFMANS o-DGM O₂ GEHALTEMETER

PRODUCT LEAFLET

TECHNICAL DATA

O₂ sensor LHO

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

O₂ 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

- O₂ 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

P.O. BOX 3150 NL-5902 RD VENLO, NETHERLANDS NLVENMARKETING@PENTAIR.COM WWW.FOODANDBEVERAGE.PENTAIR.COM

All Pentair trademarks and logos are owned by Pentair. All other brand or product names are trademarks or registered marks of their respective owners. Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice.

Pentair is an equal opportunity employer.

PL o-DGM EN 1616 © 2012 Pentair. All Rights Reserved.

