PENTAIR HAFFMANS
O_2 GEHALTEMETER, TYPE o-DGM

OPTICAL O_2 MEASUREMENT

The Pentair Haffmans O_2 Gehaltemeter, type o-DGM offers high accuracy and portable measurement of O_2, significantly improving response times compared to traditional O_2 measuring devices. With no frequent calibration needed, it provides brewers with a reliable, low-maintenance solution for optimizing their brewing process.

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_2 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 by using the interface cable. Data analysis can be done via Pentair Haffmans Navigator software.

CUSTOMER BENEFITS

- **Portable measurement allows for easy quality control, helping to reduce product losses**
- **Optical-based technology for high accuracy**
- **Easy to maintain**
- **Ability to measure the purity of CO_2 gas**

APPLICATIONS

- **At-line, sampled directly during the production process**
- **Laboratory, after the filling sampling from bottles or cans by using the sampling device Pentair Haffmans ISD 2.0**
- **TPO calculation from bottles or cans using the sampling device Pentair Haffmans ISD 2.0**

PENTAIR HAFFMANS
O_2 GEHALTEMETER, TYPE o-DGM

TECHNICAL DATA

O_2 Sensor LHO

Measuring Range	0.0 to 2,000 ppb w/w (DO)
	0 to 41,800 ppm vol/vol (gas)
Accuracy	± 1 ppb w/w + 2 % of m.v. (DO)*
	±(20 ppm vol/vol + 2% of the m.v. (gas)*

O_2 Sensor WLO

Measuring Range	0 to 45,000 ppb w/w (DO)
	0 to 1,000,000 ppm vol/vol (gas)
Accuracy	< 5% of m.v. from 100 ppb (DO)*
	< 5% of m.v. from 2,300 ppm (gas)*

Measuring Units

ppb w/w, µg/l, ppm w/w, mg/l, % a.s., % O_2, ppm vol/vol

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_2 Gehaltemeter, type o-DGM
- Bumper
- Service set with power supply (Euro or US plug)
- Software set (USB stick with Navigator software & interface cable to connect RS232 to USB)
- Set of two sample hoses
- Instruction manual

OPTIONS

- Certificate of measurement
- Quick charger
- Sampling device Pentair Haffmans ISD 2.0

Color Display

Bumper