PENTAIR HAFFMANS
INTELLIGENT CO$_2$ GEHALTEMETER, TYPE i-DGM

FAST AND ACCURATE MEASUREMENTS

In beer and beverage production, the amount of dissolved carbon dioxide (CO$_2$) plays a crucial role in determining the quality and taste of products.

For breweries and soft drink manufacturers who need to closely monitor and measure CO$_2$ levels during production to ensure consistent flavor and beverage drinkability, the portable and accurate Pentair Haffmans Intelligent CO$_2$ Gehaltemeter, type i-DGM was developed.

How it works
When taking a beverage sample, an equilibrium is established, followed by the measurement of pressure and temperature.

The dissolved CO$_2$ content is electronically calculated and displayed via the i-DGM device screen. 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

- Durable design makes it suitable for both the brewing and soft drink industries due to its ability to handle high product pressure

- Program up to 10 different product types for greater versatility of use

- Reproducible results ensure accuracy and peace of mind

APPLICATIONS

- At-line, sampled directly during the production process (from process lines, vessels, tanks, or kegs)

- Laboratory, after the filling sampling from bottles or cans by using the sampling device Pentair Haffmans ISD 2.0

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TECHNICAL DATA

Measuring Range

CO_2 Value	2.0 - 10.0 g/l
Temperature	-5.0 - 40.0 °C
Pressure	0.0 - 10.0 barg

Accuracy

CO_2 Value	± 0.05 g/l
Temperature	± 0.2 °C
Pressure	± 0.01 bar

Measuring Units

CO_2 Value	g/l, % b/w, Vol., kPa
Temperature	°C, °F
Pressure	bar, psi, kPa

Measuring time incl. sampling

Approx. 55 sec.

Number of measurements per charge

Approx. 150

Interface

RS-232

Dimensions

210 x 130 x 260 (LxWxH mm)

Weight

ca. 2.8 kg

SCOPE OF SUPPLY

- Intelligent CO_2 Gehaltemeter, type i-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 hoses
- Instruction manual

OPTIONS

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

Color Display

Bumper