

# Automatic CO<sub>2</sub> Tester



## Automatic CO<sub>2</sub> Tester

### General product information

In the beer and beverage industries, the content of dissolved carbon dioxide (CO<sub>2</sub>) is a determining factor in the quality and taste of beer and carbonated beverages. Because of this, breweries as well as soft drink manufacturers continuously control and measure the CO<sub>2</sub> quantity in bottled and canned beverages.

The Automatic CO<sub>2</sub> Tester, type CBL, is specifically designed for multiple routine determination of the CO<sub>2</sub> content based on Henry's Law. Equipped with product identification and memory, the CBL allows for the traceability of measuring data and can be programmed for up to 100 different product types. The instrument is suited, without adaptors, for the most common sizes of glass bottles and cans and a holder for PET bottles is available. Most importantly, the measuring results are reproducible and not dependent on the operator.

### Principle of operation

After automated piercing, equilibrium is created, followed by the measurement of pressure and temperature. The dissolved CO<sub>2</sub> content is then electronically calculated and displayed. The measurement results can be exported to a PC and/or directly printed.



**CBL**

# Automatic CO<sub>2</sub> Tester



## Benefits

- Accurate product control
  - reproducible and operator independent results
- Cost saving
  - lower investment costs (one device for different container types and up to 100 product types)
  - less labor intensive (fully automated measurement)
  - low maintenance

## Application

- Laboratory, applicable in breweries, soft drinks and carbonated water industries

## Technical Data

### Measuring range

CO <sub>2</sub> Value	2.0 - 15.0 g/l
Temperature	-5.0 - 40.0° C
Pressure	0.0 - 6.9 barg

### Accuracy

CO <sub>2</sub> value	± 0.10 g/l
Temperature	± 0.20° C
Pressure	± 0.02 bar

### Measuring units

CO <sub>2</sub> value	g/l, % w/w, Vol, kPa
Temperature	° C, ° F
Pressure	bar, psi, kPa

Memory capacity	up to 1000 measurements
Container dimensions	Height min. 90 mm - max. 360 mm Diameter min. 50 mm - max. 125 mm
Voltage	110 or 230 V / AC 50-60 Hz (adjustable)
Interface	RS-232, Centronics, bar code reader
Dimensions	500 x 300 x 670 (LxWxH mm)
Weight	ca. 35 kg

## Scope of Supply

- Automatic CO<sub>2</sub> Tester, type CBL
- Set of hoses
- Container support
- Service set with piercers and sealing rubbers
- Mains cable (Euro, US, UK or AUS plug)
- Software set (CD + Interface)
- Instruction manual

## Options

- Certificate of measurement
- PET holder
- Bar code reader

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



### Haffmans BV

P.O. Box 3150 NL-5902 RD Venlo • The Netherlands

T +31 77 323 23 00 • F +31 77 323 23 23

E info@haffmans.nl • I www.haffmans.nl

Please visit our website to obtain information about your local support.