

Automatic CO₂ Tester

General information

For a constant quality and taste of all sorts of carbonated drinks, the critical parameter is the content of the dissolved CO₂ (carbon dioxide) in the liquid.

That is why it is necessary as part of the quality control program of every soft drinks production plant or brewery to frequently measure the CO₂ content in the filled product.

The new Automatic CO₂ Tester, type CBL-04, is specially designed for multiple routine determination of the CO₂ content of beverages in different packaging sizes.

Principle of operation

This very safe and comfortable way of obtaining accurate and reproducible CO₂ values is based on automatic piercing, followed by releasing the CO₂ from the beverage by means of ultrasonic waves. Then the pressure and temperature are measured automatically, after which the CO₂ value is calculated by means of integrated software. The measurement can either be read on the graphical display, or exported to a PC and/or directly printed out.

Within only four steps an accurate, reproducible CO₂ content can be determined using the Automatic CO₂ Tester:

- Place the product in the instrument,
- Select the product type in the software menu,
- Press the START button,
- Read the displayed CO₂ value.



Beverage Quality Control



laboratory



beer



soft drinks



water



Technical information

Features

Fully automatic measurement,
Good reproducibility,
Product choice up to 30 types,

CO₂ release by ultrasonic waves,
Accurate measurement,
Designed for all common types of bottles and cans.

Advantages

User-friendly operation and maintenance,
No need of special training to operate the instrument,
Robust automatic piercing mechanism,
Programmability of multiple sorts of beverages,
Traceability of data due to data storage,
Operation with cans and bottles of different sizes (e.g. PET bottle of 2 Litre).

Benefits

Automatic routine CO₂ measurement,
Easy maintenance and service,
Easy re-calibration,
One instrument for different product types,
One instrument for different packaging sizes,
User-friendly software menu,
All results are exportable to a PC,
Different areas of application: soft drink and water industry, breweries.

Scope of supply

- Automatic CO₂ Tester, type CBL-04
- Set of piercers with sealing rubbers
- Calibration hose
- RS-232 connector cable
- Service set
- PET-bottle holder**
- Mains cable*
- Draining hose with connector
- Centring device
- Data transfer software
- Operating manual

* available with Europlug, American, British or Swiss plug. Please specify at ordering.

** optional

Technical data

Measuring range:		Memory:	
CO ₂ value:	2.0 – 15.0 g CO ₂ /l	Capacity:	up to 1000 measurements
Temperature:	-5.0 – 40.0 °C		
Pressure:	0.0 – 6.9 bar	Container dimensions:	
		Height:	min. 90 mm / max. 360 mm
Accuracy:		Diameter:	min. 50 mm / max. 125 mm
CO ₂ value:	+/- 0.10 g CO ₂ /l		
Temperature:	+/- 0.20 °C	Interfaces:	Centronics, 1 x RS-232 and 1 barcode reader
Pressure:	+/- 0.02 bar		
Measuring units:		Voltage:	120V or 240V AC/± 10%/ 50-60Hz
CO ₂ value:	g/l, % w/w, Vol., kg/cm ²	Dimensions:	670 x 500 x 300 (H x W X D in mm)
Temperature:	°C, °F		
Pressure:	bar, PSI, kg/ cm ²	Weight:	Total: 35 kg

Haffmans B.V. reserve the right to make changes in the technical specifications at any time.



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