

Automatic CO₂ Tester



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General product information

In the beer and beverage industry, the content of dissolved carbon dioxide (CO₂) is decisive to the quality and taste of beer and carbonated beverages. Therefore, breweries as well as soft drink manufacturers continuously control and measure the CO₂ quantity in bottled or canned beverages.

The Automatic CO₂ Tester, type CBL, is specially designed for multiple routine determination of the CO₂ content based on Henry's Law. Up to 100 different product types can be programmed. Equipped with product identification and a memory, it allows for the traceability of measuring data. The instrument is suited for the most common sizes of glass bottles and cans without needing additional adapters. A holder for PET bottles is available. Most importantly, the measuring results are reproducible and operator independent.

After automated piercing, an equilibrium is created, followed by pressure and temperature measurement. Subsequently, the dissolved CO₂ content is electronically calculated and displayed. The measurement results can be exported to a PC and/or directly printed.



CBL

Automatic CO₂ Tester



Benefits

- Perfect 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

Applications

- Laboratory, applicable in breweries, soft drinks and carbonated water industry.

Technical Data

Measuring range:

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

Accuracy:

CO ₂ value:	± 0.10 g/l
Temperature:	± 0.20 °C
Pressure:	± 0.02 bar

Measuring units:

CO ₂ 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 in mm)
Weight:	ca. 35 kg

Scope of Supply

- Automatic CO₂ 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.



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