

CO2 LAB

CO2 ANALYZER

**The CO2LAB can determine in less than 40 seconds,
the rate of CO2 content in your liquid sample.**



Application :

- * Vines & Worts, gaz Wine**
- * Beer**
- * Mineral Waters**
- * Without alcool drinks**

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The CO₂ LAB is an independent instrument for routine analysis of CO₂ content in carbonated beverages.

With a sample of 100 or 50 µl, the CO₂ content is displayed in 30 seconds. The results are given in grams per liter.

WORKING PRINCIPLE

Carbon dioxide is released by a reaction with lactic acid: the device measures the amount of CO₂ released by a thermal conductivity detector (thermal conductivity). Speed and accuracy are achieved by automating processes and release of gas measurement, and by the geometry of the reaction chamber and the composition of the reagent CO₂.

The sample is introduced into the reactor manually. The reagent is added to the reactor using a peristaltic pump. The mixture thus obtained is subjected to a magnetic stirring during the reaction.

Important Points :

- **Measurement range :** from 0 to 6 g/l for 100 µl of sample, and 0 to 10g/l for 50µl of sample.
- **Sample volume :** 50/100 µl
- **Resolution :** 0.01 g/l
- **Reproductibility :** 1 %
- **Correlation :** step of significant bias with the reference method (Van Slyke)
- **Cycle time :** 45 sec, Drain included
- **Reagent consumer :** 1 ml/test (1 vial = 200ml reagent)

Characteristics :

- **Dimensions :** Width : 29 cm Weight : 4.9 Kg
 Depth : 24 cm
 Height : 24 cm

-**Electrical specifications :** 220V - 50 Hz