



1-CUBE s. r. o.

Hamry 3567, 580 01 Havl. Brod, Czech Republic

tel + 420 569 433620, fax + 420 569 422144

e-mail: 1-cube @ 1-cube.com web site: www.1-cube.com

CO₂ ANALOGUE MEASURING INSTRUMENT - ICA

Measuring device makes it possible to determine the content of:

- air in the glass bottle head space , can head space and PET head space
- CO₂ content in solution (beer, saturated beverages, sparkling wine) in bottles, PET bottles and cans

Principle of measurement:

Our device for determining the CO₂ content is based on the Henry law principle. CO₂ is determined by a measurement of the balance value of temperature and pressure after the fast mechanical releasing of CO₂ which is dissolved in solution.

Description of the device:

Our device consists of a piercing needle, device stand, a container lifting mechanism and parts to obtain the mechanical release of CO₂, a vessel for lye, interconnecting hoses, a burette, a mercury etalon and nomogram to read the CO₂ content.

The analogue CO₂ content measurement device provides accurate results quickly. It is easy to use and clean.



Technical parameters:

| | |
|--|--|
| range of CO ₂ measurement..... | 2,0 - 7,8 g/l or in volume percentage 0,2-0,78% vol. |
| range of temperature measurement..... | -3 ⁰ - + 50 ⁰ C or in ⁰ F |
| range of pressure measurement..... | 0 - 400 kPa or in bars or psi |
| accuracy of CO ₂ content measurement..... | + - 0,1 g/l or + -0,01 % volume |
| accuracy of temperature measurement..... | + - 0,5 ⁰ C |
| accuracy of pressure measurement..... | + - 2,5 |
| size..... | 530x240x300mm (hxwxd) |
| weight..... | 3,0 kg |
| measuring range of gas burette..... | 0 - 12 ml of air and 0-2,2 ml of oxygen |

Base Model:

Consists of measuring device, interconnecting hoses, adapter, operating instructions

Optional Accessories:

Gas burette and PET adapter

Accessories may be purchased as required.