

INPACK 2000 Air Meter

General Information

Being the main components of air, O₂ and N₂ have to be taken into account as potential sources of oxidation in beverages. That is why it is important to make sure that the air content remaining in a packaged beverage is under a quantitative critical level.

For air determinations, the INPACK 2000 Air Meter (IAM) can be combined with either the INPACK 2000 CO₂ Calculator or the INPACK 2000 CO₂ Meter.

The INPACK 2000 Air Meter can determine the:

- Air content in the headspace volume,
- Total air content in the beverage.

Principle of Operation

By means of tubing, the INPACK 2000 Air Meter can be connected to either the INPACK 2000 CO₂ Calculator or the INPACK 2000 CO₂ Meter. Based on the principle of CO₂ absorption by caustic, the air content can be measured. The headspace gas is fed through caustic after the bottle or can has been pierced. The CO₂ in the headspace gas is completely absorbed by the caustic and foreign gases are collected in the IAM's measuring burette. The volume (ml) of these foreign gases can be then read on the IAM's measuring burette.



Beverage Quality Control



Technical information

Features

Easy operation,
Good reproducibility.

Advantages

Light and ergonomic design,
No calibration necessary.

Benefits

Indication of O₂ potential in the package,
Re-use of caustic until saturation,
Application for beer and soft drinks,
Cost-saving; one instrument for different product types.

Scope of supply

- INPACK 2000 Air Meter, type IAM-2000
- Measuring burette and leveling vessel with clamp
- Set of tubing
- Operating manual

Technical data

Measuring range: 0.0 - 36.0 ml air

Subdivision:

0-6 ml: 0.1 ml

7-36 ml: 0.5 ml

Caustic content: approx. 175 ml

Accuracy: ± 5% with a minimum of 0.05 ml

Dimensions: 420 x 120 x 170 (H x W x D in mm)

Weight Total: 1.3 kg

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



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