

# Inpack 2000 Air Meter



## Inpack 2000 Air Meter

### General product information

In the beer and beverage industry, the content of dissolved oxygen ( $O_2$ ), is decisive to the quality, taste and flavor stability of beer and carbonated beverages, as it causes a rapid decline of the flavor stability and shelf life. By measuring the air volume in the container, the  $O_2$  content can be determined. Breweries as well as soft drink manufacturers continuously control and measure the concentration of air after filling.

The Inpack 2000 Air Meter, type IAM, is used to determine the air content in the headspace volume as well as the total air content in the beverage, in combination with the Inpack 2000  $CO_2$  Calculator or the Inpack 2000  $CO_2$  Meter. The principle is based on  $CO_2$  absorption by caustic.

The pressure of the container is released and the gas fed to the IAM. The  $CO_2$  is completely absorbed by the caustic and the remaining gas is collected in the measuring burette. Its volume (ml) is shown on the measuring burette.

The device is available in two executions:

- Type IAM-20, measuring the range 0-20ml, with higher accuracy in the low range, typical for carbonated beverages with low air contents (beer).
- Type IAM-36, measuring the range 0-36ml, typical for carbonated beverages with higher air content (soft drinks).



**IAM**

# Inpack 2000 Air Meter



## Benefits

- Perfect Quality Management
- Cost saving
  - maintenance free

## Applications

- Laboratory, in combination with Haffmans Inpack 2000 CO<sub>2</sub> Calculator and Inpack 2000 CO<sub>2</sub> Meter

## Technical Data

	<b>IAM-20</b>	<b>IAM-36</b>
<b>Measuring range:</b>	0.0 - 20.0 ml	0.0 - 0.36 ml
Subdivision:		
Range 1	0.0 - 0.50 ml: 0.05 ml	0.0 - 0.06 ml: 0.1 ml
Range 2	0.6 - 6.5 ml: 0.1 ml	7.0 - 36.0 ml: 0.5 ml
Range 3	7.0 - 20.0 ml: 0.5 ml	
<b>Accuracy:</b>	± 5% of measured value with a min. of 0.025 ml	± 5% of measured value with a min. of 0.05 ml
Caustic content:	approx. 160 ml	approx. 175 ml
Dimensions:	250 x 170 x 595 (LxWxH in mm)	
Weight:	ca. 1.4 kg	ca. 1.3 kg
Caustic concentration:	30 % g/l NaOH with approx. 1 % methanol 30 % g/l KOH with approx. 1 % methanol	

## Scope of Supply

- Inpack 2000 Air Meter\*
  - Type IAM-20 or
  - Type IAM-36
- Measuring burette and leveling vessel with clamp
- Set of tubing
- Instruction Manual

\* When ordering, please state which instrument you require.

## Options

- Certificate of Measurement



### Haffmans BV

P.O. Box 3150 NL-5902 RD Venlo • The Netherlands

T +31 77 323 23 00 • F +31 77 323 23 23

E info@haffmans.nl • I www.haffmans.nl

Please visit our website to obtain information about your local support.

**Haffmans BV reserves the right to make changes in the technical specifications at any time.**

# IAM

**Norit**  
leading in purification

**Haffmans**