In the beer and beverage industries, the content of dissolved oxygen (O₂) is a determining factor in 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 O₂ 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 CO₂ Calculator or the Inpack 2000 CO₂ Meter. The principle is based on CO₂ absorption by caustic.

The pressure of the container is released and the gas fed to the IAM. The CO₂ 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** has a measuring range of 0-20 ml, with higher accuracy in the low range and is typically used for carbonated beverages with low air content such as beer
- **Type IAM-36** measures the range of 0-36 ml and is typically used for carbonated beverages with a higher air content, such as soft drinks

**CUSTOMER BENEFITS**
- Perfect quality management
- Cost saving
- Maintenance free

**APPLICATIONS**
- Laboratory, in combination with Pentair Haffmans’ Inpack 2000 CO₂ Calculator and Inpack 2000 CO₂ Meter
HAFFMANS IAM
INPACK 2000 AIR METER

TECHNICAL DATA

IAM-20
Measuring range
0.0 - 20.0 ml
Subdivision
Range 1     0.0 - 0.50 ml: 0.05 ml
Range 2     0.6 - 6.50 ml: 0.10 ml
Range 3     7.0 - 20.00 ml: 0.50 ml
Accuracy
± 5 % of measured value with a min. of 0.025 ml
Caustic content
Approx. 160 ml
Weight
Ca. 1.4 kg

IAM-36
Measuring range
0.0 - 36.0 ml
Subdivision
Range 1     0.0 - 6.0 ml: 0.10 ml
Range 2     7.0 - 36.0 ml: 0.50 ml
Accuracy
± 5 % of measured value with a min. of 0.05 ml
Caustic content
Approx. 175 ml
Weight
Ca. 1.3 kg

Dimensions
250 x 170 x 595 (L x W x H mm)
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