



**UNIPHOS**

## HEADSPACE OXYGEN / CARBON DIOXIDE DUAL ANALYZER



The Headspace O<sub>2</sub>/CO<sub>2</sub> Analyzer is a battery-operated, portable analyzer used for the measurement of residuals in gas-flushed (CAP/MAP) food packages.

In case of N<sub>2</sub> or CO<sub>2</sub> flushed packaging, the Head Space O<sub>2</sub>/CO<sub>2</sub> Analyzer helps to measure the quality of modified atmosphere by detecting raised levels of O<sub>2</sub>/CO<sub>2</sub>.

Modified Atmosphere Packaging (MAP) helps in preserving the food products in an atmosphere that has been modified to increase the shelf life of the packed products. The three main gases used in modified atmosphere packaging are O<sub>2</sub>, CO<sub>2</sub> and N<sub>2</sub>. The head space of any packaging contains any one of these gases or a mixture of these gases and the success of packaging depends on the packer's ability to correctly prepare the product and to control the concentrations of head space gas within the desired limits.

The Analyzer uses a syringe needle sampling assembly to pierce the package and draw a sample into the analyzer for measurement. The sensors used in the analyzer is specifically designed for gas-flushed packaging measurements. They are an Electrochemical/NDIR, fast response sensors having excellent zero and span stability, and with an operating measurement range of 0-100% Oxygen and 0-100% Carbon Dioxide.

### SPECIFICATION:

Range	: 0.0 to 100% Oxygen 0 to 100% CO <sub>2</sub>
Resolution	: 0.1% Oxygen 1% CO <sub>2</sub>
Accuracy of reading	: ± 1%
Sensors	: Electrochemical Cell/NDIR
Sample Pump	: Diaphragm pump
Sampling assembly	: Probe with needle, PTFE tubing
Power Supply	: Li-ion rechargeable battery
Size	: 175 X 95 X 40 mm

### FEATURES:

- *Portable, battery operated*
- *Inbuilt sampling pump*
- *Easy to operate and maintain*
- *Calibration with normal air*

ISO 9001

**BUREAU VERITAS**  
Certification



Certificate No. IND86004/R1

*Due to continuing development  
we reserve the right to change  
specifications without prior notice.*

Manufactured By:

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