



UNIPHOS HEADSPACE OXYGEN ANALYZER

HEADSPACE OXYGEN ANALYZER

The Headspace Oxygen Analyzer is a battery - operated, portable analyzer used for the measurement of residual oxygen in gas-flushed (CAP/MAP) food packages.

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_2 , CO_2 and N_2 . 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.

In case of N_2 or CO_2 flushed packaging, the Head Space Oxygen Analyzer helps to measure the quality of modified atmosphere by detecting raised levels of Oxygen. The analyzer can also be used to determine the Oxygen concentration where the modified atmosphere is oxygen enriched (50-100% v/v).

The Headspace Oxygen Analyzer uses a syringe needle sampling assembly to pierce the package and draw a sample into the analyzer for oxygen measurement. The oxygen sensor used in the analyzer is specifically designed for gas-flushed packaging measurements. It is an electrochemical, fast response sensor having excellent zero and span stability, and with an operating measurement range of 0-100% v/v Oxygen.



SALIENT FEATURES:

- Portable, battery operated
- Inbuilt sampling pump
- Easy to operate and maintain
- Calibration with ambient air (O_2 only)

SPECIFICATION:

Range	0 to 100% v/v Oxygen
Resolution	0.1% Oxygen
Accuracy of reading	$\pm 1\%$
Min. Detection Limit	0.1%
Sensor	Electrochemical Cell
Sample Pump	Diaphragm pump
Sampling Assembly	Needle Probe with Filter, PTFE tubing
Power Supply	Li-ion rechargeable battery
Size	175 X 95 X 40 mm
Weight	450 gms



UNIPHOS HEADSPACE GAS ANALYZER

HEADSPACE GAS ANALYZER (O₂ & CO₂)

The Headspace O₂ & CO₂ Analyzer is a battery- operated, portable analyzer used for the measurement of oxygen and CO₂ in gas-flushed (CAP/MAP) food packages.

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 O₂, CO₂ and N₂. The head space of any packaging contains any one of these gases or a mixture of these gases. 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.

In case of N₂ flushed packaging, the Headspace Gas Analyzer helps to measure the quality of modified atmosphere by detecting raised levels of O₂. The analyzer can also be used to determine the Oxygen & CO₂ concentration where the modified atmosphere is O₂ & CO₂ enriched (50-100%V/V).

The Headspace O₂ & CO₂ Analyzer uses a syringe needle sampling assembly to pierce the package and draw a sample into the analyzer for O₂ & CO₂ measurement. The oxygen sensor used in the analyzer is specifically designed for gas-flushed packaging measurements. It is an electrochemical, fast response sensor having excellent zero and span stability, and with an operating measurement range of 0-100%V/V Oxygen. The CO₂ Sensor is a NDIR type sensor with the range of 0-100%V/V.



SALIENT FEATURES:

- Portable, battery operated
- Inbuilt data storage
- Inbuilt sampling pump
- Easy to operate and maintain
- Calibration with ambient air (O₂ only)
- USB charging

SPECIFICATION:

Range	0 to 100% v/v (O ₂ & CO ₂)
Resolution	0.1% (O ₂) & 0.2% (CO ₂)
Accuracy of reading	± 1% (O ₂), ± 5% (CO ₂)
Sensor	O ₂ (Electrochemical), CO ₂ (NDIR)
Data Storage	4000 Records
Sampling Assembly	Needle Probe with Filter, PTFE tubing
Battery Capacity	3.75 V, 2800 mAh
Charger	USB mini B type; 5V, 1A
Size	192 mm X 106 X 43mm (Approx.)
Weight	500 gms

Due to continuous development, we reserve the right to change specifications without prior notice.



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