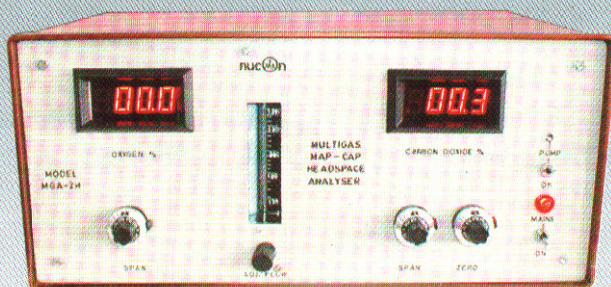
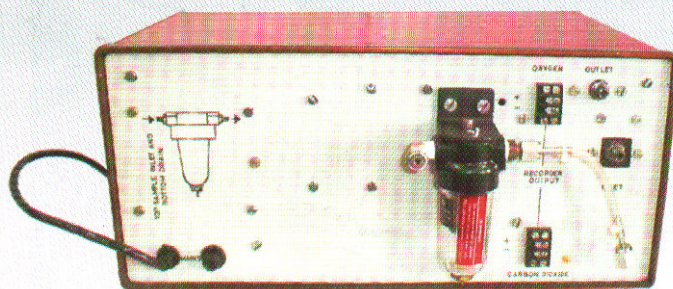


GAS ANALYSERS FOR MODIFIED AND CONTROLLED ATMOSPHERE PACKAGING AND STORAGE

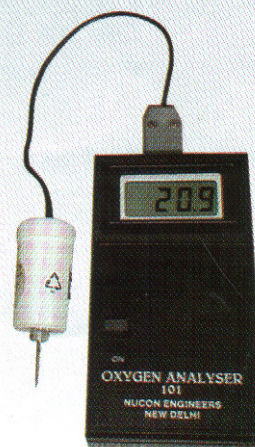
**101
101H
MGA2H**



MGA 2H



101



101H

Measurement of Oxygen and Carbon Dioxide in the atmosphere of PLANTS during growth or in the headspace of Packaged and Stored FOOD AND MEDICINE are important parameters for studies of MAP (modified atmosphere packaging) and CAP (controlled atmosphere packaging) techniques for extended shelf life and enhanced appearance. For packaging the voidspace is generally evacuated and filled with dry Nitrogen or some special gases in some cases. The process is dependent on the correct atmosphere within the pack or storage area. For quality control it is essential to monitor the level of Oxygen and / or Carbon Dioxide in the atmosphere.

FEATURES

- ☐ Estimates Correctness of gas head space
- ☐ High Accuracy
- ☐ Checks Validity of shelf life
- ☐ Simple to Operate
- ☐ Fast Response
- ☐ Estimates pack seal quality

The three types of Sampling for MAP/ CAP Tests are Flow Through, Diffusion and Extractive Sampling. **Model 101** is for **Flow through sampling** where sample is under own pressure and is connected by means of a tubing to Oxygen Sensor mounted on top of gas Analyser, and reads oxygen percentage in sample. **Model 101H** is based on Diffusion Sampling where the Probe carries the Oxygen Sensor with a needle at the end for piercing the **packaged material** and sampling the headspace for oxygen in the pack.

Model MGA 2H is an advanced instrument based on **Extractive Sampling** which has two alternate modes : Pump Suction and Syringe Injection, both of which are optionally supported on this instrument as per application. It monitors Oxygen and Carbon Dioxide.

CALIBRATION

By air at 20.9% for O₂. For CO₂, where applicable, by calibration gas and is factory set.

SPECIFICATIONS

	Model 101/ 101H Oxygen	Model MGA 2H O ₂ & CO ₂
RANGE	Oxygen: 0-30.0% or 0-100% Please Specify.	O ₂ : 0-30.0% or 0-100.0%, Please Specify. CO ₂ : 0-20.0% (Model: MGA 2H) or 0-100.0% (Mode : MGA 2HH)
READOUT	Digital	Digital
CONTROLS	Span for Oxygen	Span for O ₂ and Span and Zero for CO ₂
RECORDED OUTPUT		0-1 VDC for both O ₂ and CO ₂
POWER	9V D.C. Battery	220V AC
SAMPLING	Flow through/ Diffusion	Extractive : Pump Suction or Syringe Injection Options
OPERATING TEMPERATURE	0 to 40°C	0 to 40°C



Manufactured By:

NUCON ENGINEERS

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