



TECHNOVATION Analytical Instruments Pvt.Ltd

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CERT. NO. 217910

MODEL EC-500 MODIFIED ATMOSPHERE PACKAGING HEADSPACE OXYMETER THE INSTRUMENT

THE TECHNOVATION HEADSPACE OXYGEN ANALYZER MODEL EC-500 has a specially designed sampling configuration with an ultra-sensitive oxygen sensor that makes it feasible to accurately measure oxygen contamination in the headspace of a food package. Even if CO₂ is used as inert gas the Model EC-500 will be suitable to measure % oxygen in the CO₂ atmosphere or a nitrogen & CO₂ modified gas mixture.

The Headspace Analyser incorporates an adapted hypodermic-type needle & small syringe to pierce the soft-food package & draw the gas into the syringe fitted with a locking arrangement to prevent loss of sample gas.

The sensor is highly sensitive and even as little as 10cc of sample gas is sufficient for obtaining highly accurate measurements. Calibration is accomplished conveniently by atmosphere air.

FEATURES

- Low sample volume required
- Quick and accurate response to oxygen
- Easy to operate by any one
- Portable, light weight with rechargeable batteries & Digital display

APPLICATIONS

The food packaging industry uses modified atmospheres to improve shelf-life and quality of nuts, wafers, snack foods, oils, skimmed milk and many other packaged food products within a variety of food packages such as soft packs, pouches, tin-cans or bottles.

Model EC-500 provides an excellent quality control method that helps prevent packaging problems. For Production control the model EC-500 helps to properly adjust the speed of nitrogen gas packaging. The simplicity of operation of Model EC-500 makes it ideal for quick routine accurate measurements as well as for repetitious laboratory studies.

STANDARD SPECIFICATIONS

Display	: LCD 12mm high, with 3 1/2 digit.
Range	: 0 to 25% oxygen
Resolution	: 0.1 % steps
Accuracy	: ±2 % at constant temp.
Power Supply	: 220 VAC 50 Hz 1 Phase

CHECK THE % OXYGEN INSIDE FOOD PACKAGES



TECHNOVATION® MODEL EC - 500

STANDARD SPECIFICATIONS CONTINUED

Sensor type	: Electrochemical
Calibration	: By ambient air or certified calibration gas
Size	: 195 x 98 x 155 mm depth
Weight	: 1 .5 kg. Approx.
Minimum Sample gas	: 10cc or more of sampling - passed over sensor in 30 seconds approx.
Working temp	: 0 to 45°C
Sensor Life	: 24 months Expected

ACCESSORIES

Hypodermic syringe	With 3 needles and 1 lock valve
Foam pads	500 nos pregummed PU pads supplied
Carrying case	For Instrument , Charger & Accessories
Battery charger	For instruments with rechargeable batteries

OPTIONAL EXTRA

Power supply	12 V Rechargeable batteries
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