



**Agasthya 2013 Series
Handheld O₂/CO₂ Headspace Analyzer
Model BI 4000**



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The handheld O2/CO2 Headspace analyser is specifically designed to test for the presence of oxygen or carbon dioxide in food packaged under modified and controlled atmospheres. The instrument is simple to use and is powered by maintenance free rechargeable batteries which can be charged by simply connecting the analyser to the mains supply.

The analyzer uses electrochemical fuel cell for oxygen analysis and an infra-red sensor for carbon dioxide analysis. Testing is done by simply inserting the needle probe into the package for test and pressing a PUMP ON/OFF key on the front panel to start the internal sample pump. The analysis of the gas is then shown on the LCD display.

Periodic calibration can be carried out using air or a calibration gas. The Analyzer is robust in construction and is unaffected by vibration or operating position. It is not flow sensitive or affected by changes in atmospheric pressure.

Specifications

O2 Range	: 0.1 to 21%
O2 Sensor Technology	: Electrochemical
O2 Sensor Resolution	: 0.01%
CO2 Range	: 0.1 to 100%
CO2 Sensor Technology	: Infrared (IR)
CO2 Sensor Resolution	: 0.1%
Repeatability	: $\pm 1\%$ of reading
Battery life	: 6 Hours
Sampling pump	: Internal
Response time (T90)	: 15 sec
Data Storage	: 500 Set of data
Communication	: USB
Sample Connection	: Needle probe
Sample Temperature	: 50°C
Ambient Temperature	: 50°C
Humidity	: 0-95 % rh
Power	: 2200mAh Lithium-ion rechargeable batteries 5VDC Adaptor with USB cable.
Area Classification	: General Purpose

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Features

- Easy to operate and calibrate
- Maintenance Free
- Quick Response
- Dust and liquid arrestor
- Replaceable O2 & CO2 Sensor

Applications

- Cosmetic products
- Fish
- Pharmaceutical Vials
- Salads
- Fresh & Cooked Meat
- Bakery
- Vegetables
- Snack Foods
- Ready Meals
- Blister Packs
- Ampoules and Packaging

The package consists of

- One sampling probe assembly
- Two needles
- Two probe filters
- 200 foam seal pads
- Charger with 115/230 VAC adapter
- Instrument case



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(Sister Concern Company Bhoomi Analyzers)

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