

CLASSIC 650 Headspace Gas Analyzer is equipped with professional structural and high precision sensors. It can provide accurate and fast evaluation of the volume of oxygen and carbon dioxide (with optional accessories) in sealed packages, bottles and cans, etc. Because of its portable design, the instrument can be used to measure the volume and proportion of oxygen and carbon dioxide on production lines, at warehouses or in laboratories, to serve as a guide for production.



Product Features ^{Note2}

- Equipped with micro-printer for convenient data printing
- The instrument is with LCD display, PVC operation panel and menu interface, which is convenient to operation and result review
- Chinese and English language operating system can meet different requirements of the users
- The instrument is controlled by micro-computer, which can analyze, process and transfer the test data and test report
- The build-in data storage function allows it to store a large amount of test data.
- Portable design allows operating the instrument in laboratory or on production site.
- Equipped with standard RS232 ports and professional software for convenient PC connection and data transfer

Test Principle

The gas inside the test package is brought to the gas sensor by the vacuum pump. The gas sensor analyzes the volume of oxygen and carbon dioxide (optional) contained in the sample gas by calculating the electrical signals generated by the sensor. When the preset test status is reached, the test is stopped and the system records the oxygen and carbon dioxide (optional) concentration.

Applications ^{Note2}

Basic Applications	Packaging Bags	Test the volume of O ₂ and CO ₂ (optional) in headspace of non-vacuum sealed packaging bags of coffee, cheese, milk tea, milk powder, bread, bean powder, instant food and drugs, etc.
	Packaging Containers	Test the volume of O ₂ and CO ₂ (optional) in headspace of packaging containers of coffee, milk powder, food, cheese, can, Tetra Pak and beverage, etc.

Extended Applications
Ampoule Bottles

 Test the volume of O₂ and CO₂ (optional) in headspace of ampoule bottles

Technical Specifications^{Note1}

Specifications	CLASSIC 650	
Testable Gases	O ₂ (Standard)	CO ₂ (optional)
Test Range	0.2% ~ 21%	2% ~ 100%
Test Accuracy	±0.2%	±2%
Sampling Volume	≥5 mL (Standard Atmospheric Pressure)	≥20 mL (Standard Atmospheric Pressure)
Instrument Dimension	350 mm (L) x 330 mm (W) x 200 mm (H)	
Power Supply	220VAC 50Hz / 120VAC 60Hz	
Net Weight	5.5 kg	

Configurations^{Note2}

Standard Configurations	Instrument, Micro-printer, Sampling Needle, Filter, Seal Gasket
Optional Parts	Professional Software, Communication Cable, Pedal Switch, Sampling Needle, Filter, Seal Gasket, Sampler for Rigid Packages, Underwater Sampling Set, Luer Taper (Male), Test Accessories for CO ₂

Note 1: The parameters in the table are measured by professional operator in Labthink laboratory according to relative requirements for laboratory standard conditions.

Note 2: The described product features, test standards and configurations should be in line with Technical Specifications.

Please Note: Labthink is always dedicated to the innovation and improvement of product performance and function. Therefore, technical specifications are subject to change without further notice. Please visit our website at www.labthink.com for the latest updates. Labthink reserves the rights of final interpretation and revision.